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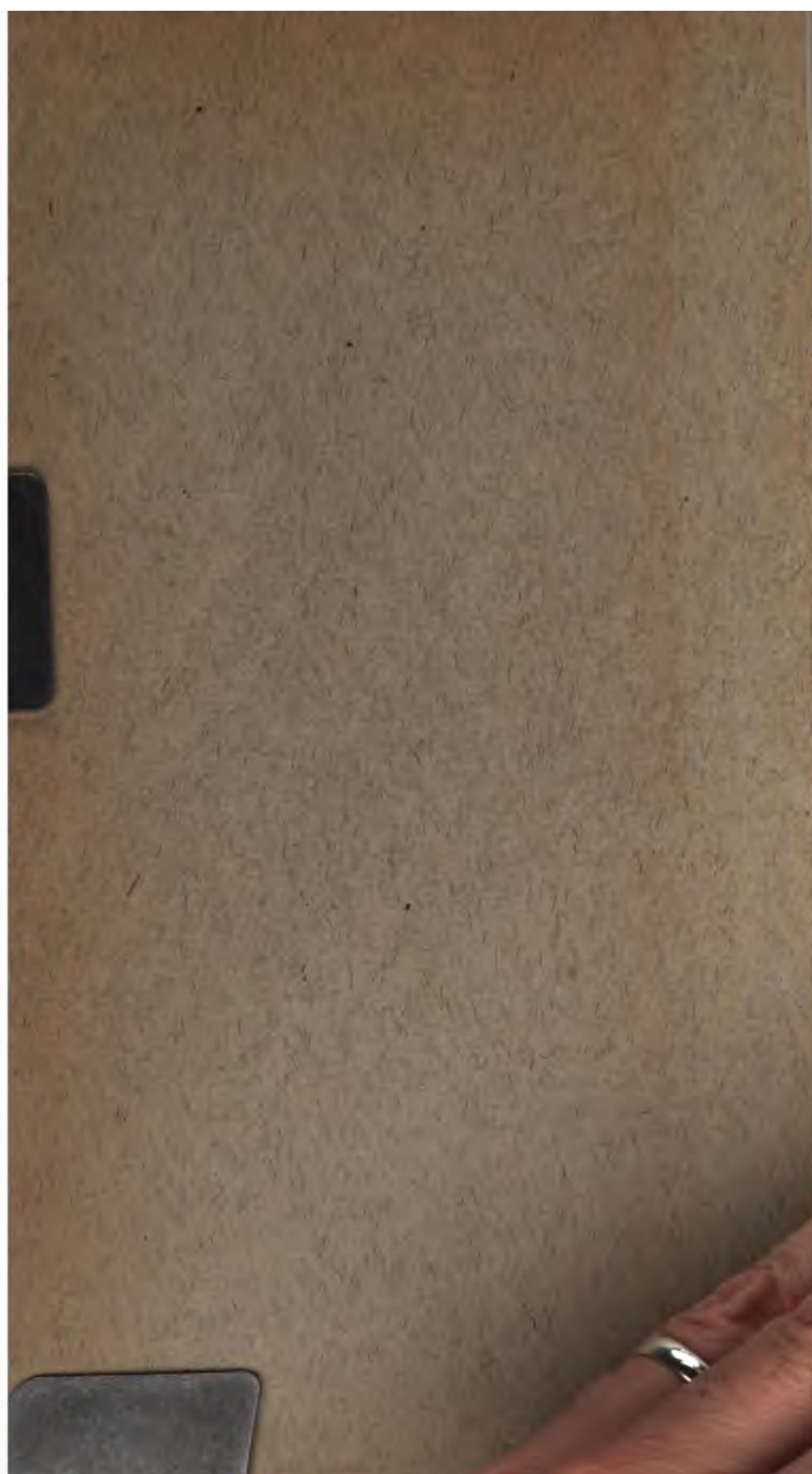
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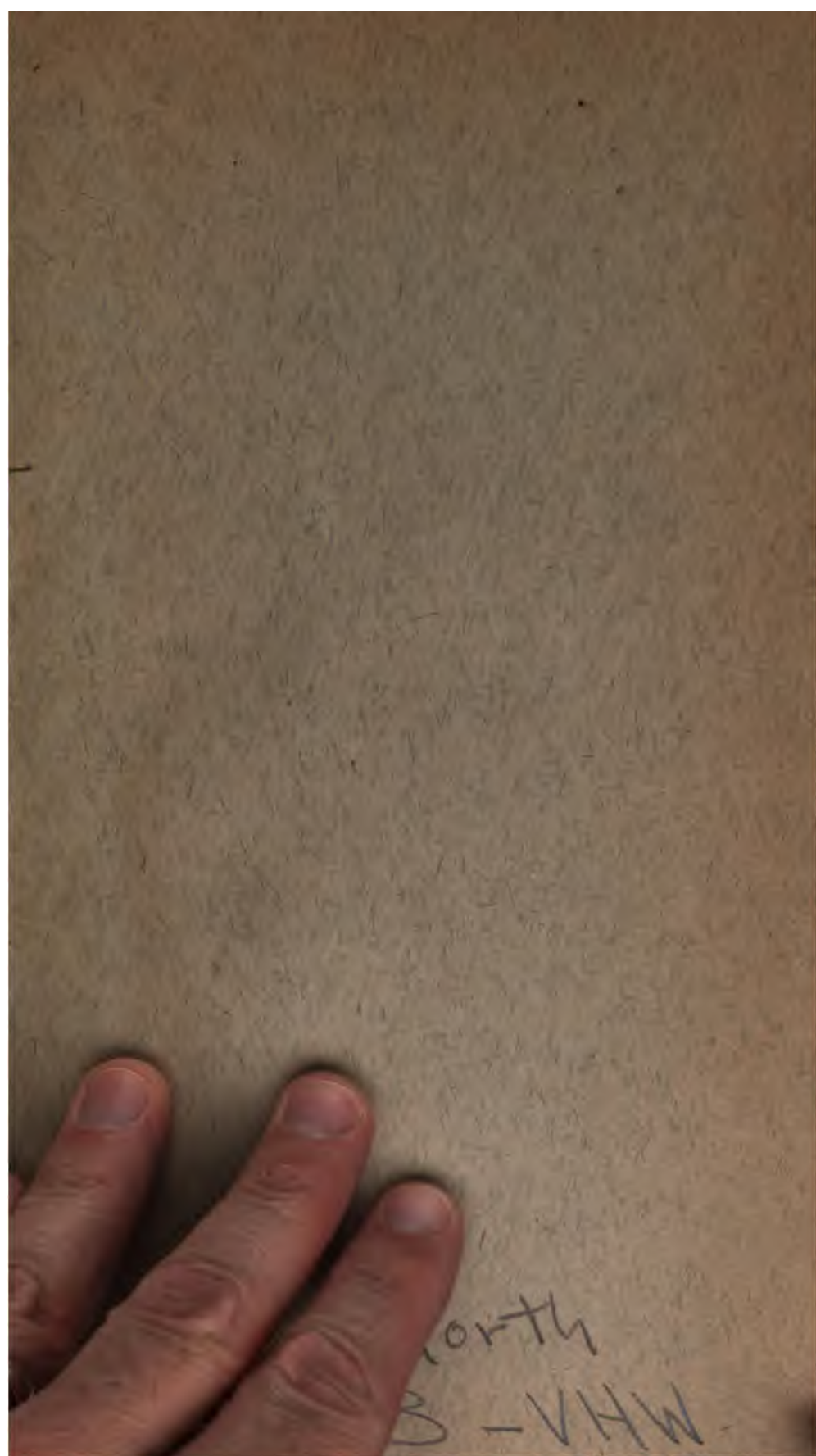
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AN ACCOUNT OF THE STRATA

OF

NORTHUMBERLAND AND DURHAM

AS PROVED BY

BORINGS AND SINKINGS.

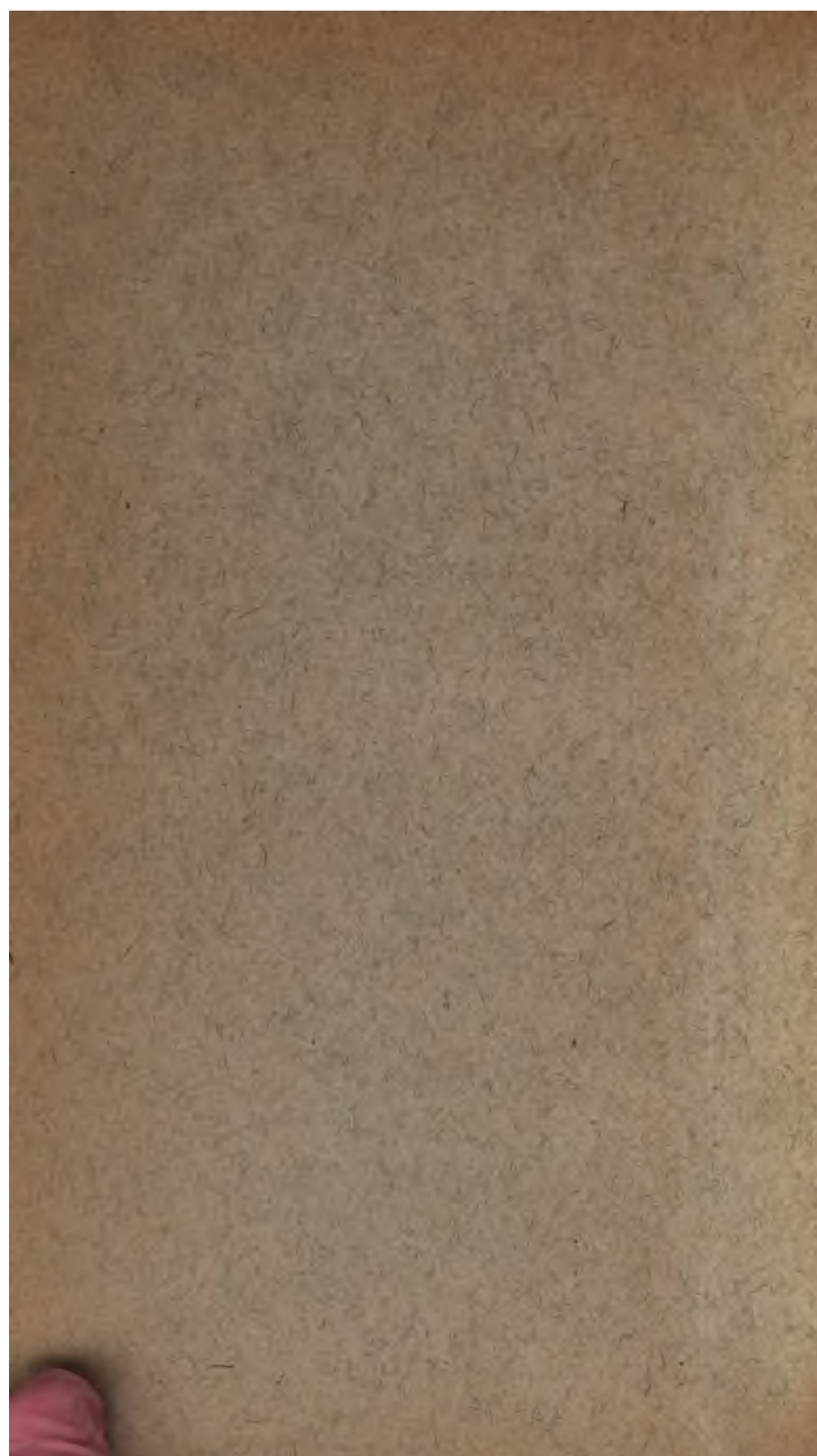
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No. 836.—FALLOWFIELD.

TOWNSHIP OF FALLOWFIELD, NORTHUMBERLAND.

Sheet 85 of Ordnance Map. Lat. , Long.

Section of Strata at Fallowfield, on the East side of the North Tyne, from the Little Limestone.

Approximate surface level feet above sea (Ordnance datum).

	Ft.	Ft.	In.	Ft.	Ft.	In.
Limestone (<i>Little Limestone</i>)	...	4	2	7		
Plate ...	...	1	5	0		
	Ft.	In.				
COAL, good	3	0				
Band...	0	9				
COAL, inferior	1	8				
	—	0	5	5		
			7	1	0	
Carried forward			7	1	0	

	Ft.	Ft.	In.	Ft.	Ft.	In.
Brought forward				7	1	0
Plate and grey beds...	1	1	0			
Hazel ...	14	5	7			
Plate ...	14	5	8			
Limestone (<i>Great Limestone</i>)	...	10	0	0		
				41	0	8
Total ...				48	1	8

No. 837.—FALLOWFIELD.

TOWNSHIP OF FALLOWFIELD, NORTHUMBERLAND.

Sheet 85 of Ordnance Map. Lat. $55^{\circ} 0' 9''$, Long. $2^{\circ} 6' 45''$.

Section of Strata at Half-Way Pit, Fallowfield.

Approximate surface level 392 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Freestone	9	3	0				Brought forward	29	4	0			
Blue plate	6	1	0				Girdle, mixed with						
Sand or freestone ...	1	4	0				dark blue plate ...	2	5	0			
Black plate	9	3	0				COAL	0	5	6			
Limestone (Little											33	2	6
Limestone)	2	5	0										
Carried forward	29	4	0				Total				*33	2	6

* Approximate sea level 191½ feet below this.

▲

No. 838.—FALLOWFIELD.

TOWNSHIP OF FALLOWFIELD, NORTHUMBERLAND.

Sheet 85 of Ordnance Map. Lat. 55° 0' 35", Long. 2° 6' 21".

Account of Strata sunk through at Fallowfield.

Approximate surface level 618 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil, rubble clay, &c.	6	0	0				Brought forward	46	4	4	16	2	0
Plate and <i>coal</i> (2 in.)	0	3	0				Hazel and grey beds...	2	5	0			
Plate and grey beds...	6	3	0				COAL — <i>Fallowfield</i>						
Bastard limestone,							Seam	0	5	8			
with cockles	0	1	0								50	3	0
Grey beds and plate...	1	5	0				Grey beds	1	0	4			
Limestone	0	2	0				Hazel	1	0	9			
Hazel and girdles	0	4	6				Plate	0	1	0			
COAL — <i>Oakwood</i>							Dun bastard limestone	2	0	0			
Seam	0	1	6				Hazel	6	2	0			
				16	2	0	Light coloured lime-						
Sandstone	1	1	2				stone	1	3	0			
Grey beds (plate and							Grey beds	0	5	0			
ironstone)	4	1	0				Hazel and girdles	10	2	0			
Sandstone	0	3	0				Plate	12	4	11			
Grey beds (plate and								1	3	7			
4 inches of <i>coal</i>)	0	3	10				Limestone (<i>Great</i>						
Strong grey beds	0	5	0				<i>Limestone</i>)	6	2	0			
Sandstone	3	1	0				Grey beds (black band						
Grey beds	0	3	4				and <i>coal</i>)	2	1	0			
Hazel and sandstone	0	3	6				Hazel	8	3	0			
Grey beds (plate and							Plate	12	0	0			
<i>coal</i>)	0	2	8				Limestone and <i>coal</i>						
Coloured sandstone	1	0	5				(2 inches)	3	3	4			
Plate	0	4	4				Grey beds and <i>coal</i>						
Grey beds	0	2	4				(6 inches)	2	4	8			
Hazel	2	1	2				White post, with <i>coal</i>						
Dark coloured mica-							<i>pipes</i>	0	3	0			
ceous post	0	2	9				Grey beds	1	2	0			
Hazel and sandstone...	5	4	0				Plate	2	2	0			
Strong girdle beds	3	5	10				COAL , splint (black						
Plate and grey beds...	6	1	0				bands)	0	3	0			
Hazel	1	4	0								77	4	7
Plate and grey beds...	9	3	0										
Limestone (<i>Little</i>							Total				144	3	7
<i>Limestone</i>)	2	5	0										
Carried forward	46	4	4	16	2	0	Hazel, unknown. Sup-						
							posed 30 fathoms						
							to Whin Sill.						

* Approximate sea level (Ordnance datum).

No. 839.—FARNACRES.

TOWNSHIP OF WHICKHAM, DURHAM.

Sheet 6 of Ordnance Map. Lat. _____, Long. _____

Account of a Boring at Ironsides, on the North side of the Lane below Gate, Farnacres.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soft blue clay, with seams of sand ...	3	0	0				Brought forward	9	3	1			
Soft blue clay, with soft seams of sand	4	3	1				Grey and brown ram-	0	4	6			
Sand and chinnelly clay, with small feeder of water ...	0	2	0				bly stone ...						
Stony clay ...	0	1	0				Grey and brown scamy post ...	0	1	0			
Soft blue and scamy metal, with water...	1	3	0				In white post ...	0	0	5			
											10	3	0
Carried forward	9	3	1				Total ...				10	3	0

No. 840.—FARNACRES.

TOWNSHIP OF WHICKHAM, DURHAM.

Sheet 6 of Ordnance Map. About Lat. 54° 56' 25", Long. 1° 38' 10".

At Farnacres, under Lobley Hill.

Approximate surface level 200 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and stony clay ...	2	0	0			
Brown and grey ramble	0	4	3			
COAL	0	4	0			
Grey thill	0	1	6			
				3	3	9
Total depth below high water				3	3	9

No. 841.—FARNACRES.

TOWNSHIP OF WHICKHAM, DURHAM.

Sheet 6 of Ordnance Map. Lat. , Long.

Bored in a Staple about 100 yards North-west from the Engine, under the Oak Tree in the Hedge, Farnacres.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Sunk to the scaffold...				7	1	6	Brought forward	6	2	0	21	5	8	
Box ...	0	3	0				Grey post, with water	0	4	6				
Strong white post, with water	0	3	9				Strong white post, with whin...	0	1	0				
Grey metal, with water	0	4	0				Whin...	0	1	0				
Open waste, with water	0	3	4				Strong white post	0	0	7				
Loose stones and rub- bish, with water	0	2	8				Grey metal	0	3	0				
				2	4	9	COAL	0	0	7	8	0	8	
Soft blue metal, with water	0	2	0				Grey metal	0	1	0				
Grey metal, with gir- dles or lumps	1	2	8				Grey post, with water	0	3	0				
White and grey post	0	1	6				Grey metal, with whin lumps	3	2	0				
Grey metal stone	0	4	0				Black metal	0	0	4				
Whin...	0	1	0				COAL	Ft. In. 2 2						
Grey post	1	4	0				Grey metal stone, mixed with coal	0 9						
COAL, foul...	0	0	6	4	3	8	COAL	1 3	0	4	2	4	4	6
Grey metal, with post girdles and catheads	3	4	6				Grey metal stone	0	3	0				
Whin...	0	0	9				White post, with water	1	1	6				
Grey post	0	2	0				COAL	0	0	4	1	4	10	
Grey metal and strong grey metal stone, with post girdles	2	4	7				Blue metal	0	5	0				
Blue slaty metal	0	0	3				COAL	0	0	3				
COAL	0	1	8	7	1	9	Grey metal stone, post girdles, and water	1	0	0				
Blue slaty metal	0	1	0				White post	0	4	0				
Grey metal	0	3	0				Blue metal	0	0	5				
Grey and white post	1	3	0				COAL	Ft. In. 0 8						
Blue grey metal, with strong girdles or lumps	2	5	0				Black metal	0	3					
Black metal	1	2	0				COAL	0	4	0	1	3		
							Grey metal	0	4	0	3	2	11	
Carried forward	6	2	0	21	5	8	Total				40	0	7	

No. 842.—FARNACRES.

TOWNSHIP OF WHICKHAM, DURHAM.

Sheet 6 of Ordnance Map. Lat. _____, Long. _____

At Farnacres, about 50 yards West from the Wagonway, and 200 yards North from the Engine.

Approximate surface level feet above sea (Ordnance datum).

	Fa.	Ft.	In.	Fa.	Ft.	In.		Fa.	Ft.	In.	Fa.	Ft.	In.
Soil	0	1	0				Brought forward	8	0	9			
Yellow clay	0	3	0				Grey girdly post,						
Leafy clay	2	0	0				metal partings, and						
Blue stone clay, with							water	4	5	0			
a spring of water...	1	2	0				Soft loose blue metal	0	4	6			
Leafy clay	0	1	0				COAL , soft crushed	0	4	6			
Blue stony clay	2	1	6				COAL , foul brassy	0	0	5			
Soft grey metal	0	2	3								14	3	2
Blue metal, with cat-							Blue grey metal ...	0	4	4			
heads	1	2	0				White grey metal ...	0	1	0			
											0	5	4
Carried forward	8	0	9				Total				15	2	6

No. 843.—FARNACRES.

TOWNSHIP OF WHICKHAM, DURHAM.

Sheet 6 of Ordnance Map. Lat. _____, Long. _____

Account of Strata bored through in 5th Hole, upon Farnacres Estate.

Approximate surface level feet above sea (Ordnance datum).

	Fa.	Ft.	In.	Fa.	Ft.	In.		Fa.	Ft.	In.	Fa.	Ft.	In.
Blue clay	3	4	6				Brought forward				18	5	0
Strong white post ...	2	0	0				Soft grey metal, mixed						
Old workings	1	0	0				with coal	0	1	0			
				6	4	6	Black stone, with coal						
Grey metal	1	1	6				pipes	0	1	0			
Strong white post,							Grey post, with water	1	3	2			
with water and							Grey metal and post						
metal partings ...	2	2	0				girdles	3	5	4			
Grey metal, with post							Grey metal	0	3	0			
girdles	2	0	0				Strong grey post ...	1	1	0			
Strong grey post and							Grey metal	0	1	4			
metal partings ...	6	1	0				COAL	0	0	9			
COAL	0	2	0								7	4	7
				12	0	6							
Carried forward	18	5	0				Carried forward	26	3	7			

No. 843.—FARNACRES.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Brought forward				26	3	7		Brought forward	5	1	7	37	0	10
Grey metal	0	4	2					White post	1	0	0			
COAL	0	0	3					Grey metal	0	1	3			
				0	4	5		COAL	0	1	8			
Grey metal and post											6	4	6	
girdles	4	0	8					Grey metal	2	0	10			
Black stone	0	0	4					White post, with metal						
Beaumont Seam (with								partings	1	0	7			
water and gas)—								Grey metal	0	3	0			
	Ft.	In.						COAL	0	1	8			
COAL	2	6									4	0	1	
Band	1	6						Grey metal	1	2	0			
COAL	1	2						Strong white post and						
				0	5	2		metal partings ...	8	1	1			
				5	0	2		COAL	0	1	8			
Grey metal	1	4	7								9	4	9	
White post, with metal								Grey metal	3	0	0			
partings and water	0	3	5					White post	4	4	0			
Black stone, with								COAL — Low Main						
scars of coal	0	0	6					Seam	0	3	4			
Grey metal	0	2	0								8	1	4	
Blue metal, with scars								Grey metal	0	0	11			
of coal	1	5	6					Bored into white post	1	3	0			
COAL	0	0	8								1	3	11	
				4	4	8								
Grey metal	1	4	0											
White post, with metal														
partings	1	0	9											
Strong grey metal ...	2	2	10											
Carried forward	5	1	7	37	0	10		Total			67	3	5	

No. 844.—FARNACRES.

TOWNSHIP OF WHICKHAM, DURHAM.

Sheet 6 of Ordnance Map. Lat. , Long.

Bored at Farnacres, in the Peru Sinking Pit.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk to the scaffold...				7	3	0	Brought forward	3	4	0	19	0	9
Box ...	3	3	0				Ft. In.						
Post and metals of							COAL ...	1	9				
different sorts ...	7	1	0				Black band,						
COAL ...	0	0	6				mixed with						
Grey thill and metal							coal ...	0	4				
stone ...	0	4	6				COAL ...	0	8				
COAL ...	0	0	9							0	2	9	
				11	3	9					4	0	9
Metal and post ...	3	4	0				In grey metal stone...				0	1	6
Carried forward	3	4	0	19	0	9	Total ...				23	3	0

No. 845.—FARNACRES.

TOWNSHIP OF WHICKHAM, DURHAM.

Sheet 6 of Ordnance Map. Lat. 54° 56' 44", Long. 1° 37' 55".

At Farnacres, in the Ray Grass Close, afterwards sunk to and called the Mexico Pit.

Approximate surface level 75 feet above sea (Ordnance datum).

	Fa.	Ft.	In.	Fa.	Ft.	In.		Fa.	Ft.	In.	Fa.	Ft.	In.
Soil and brown stony clay	2	0	0				Brought forward	9	3	0			
Blue stony clay	3	1	6				COAL						
Soft grey metal	0	2	6				Grey band, with						
Grey metal stone, with post girdles	1	4	0				coal and bands	0	7				
White and brown post	0	5	3				COAL						
Grey metal stone, post girdles, and metal partings	1	1	9				Grey metal	0	4				
							COAL						
Carried forward	9	3	0					0	4	7			
							In grey metal				10	1	7
							Total				0	1	5
											*10	3	0

* Approximate sea level 12 feet below this.

No. 846.--FARNACRES.

TOWNSHIP OF WHICKHAM, DURHAM.

Sheet 6 of Ordnance Map. Lat. , Long.

Bored at Farnacres, on the North side of Norwood Lane, and South from the Engine.

Approximate surface level feet above sea (Ordnance datum).

	Fa.	Ft.	In.	Fa.	Ft.	In.
Soil	0	0	9			
Yellow clay	0	3	0			
Soft clay, with some small seams of sand	2	5	0			
Sand, with water	0	5	0			
Black stony clay	0	1	6			
Sand and gravel	0	1	0			
				4	4	3
Total				4	4	3

No. 847.—FARNACRES.

TOWNSHIP OF WHICKHAM, DURHAM.

Sheet 6 of Ordnance Map. Lat. , Long.*Bored at Farnacres, Norwood, about 60 yards North-west from M. Aynsley's House.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	0				Brought forward	5	0	0	9	0	1
Stony clay	1	5	0				Grey and blue metal						
Grey gravelly metal...	2	1	0				and metal stone,						
Grey post girdle ...	0	1	6				with several mixture						
Grey and blue scamy							whin girdles of						
metal and post girdle	2	3	9				about 27 feet thick	6	1	0			
Soft open scamy metal	0	1	0				Black slaty metal, with						
Waste, with foul air	0	1	6				coal	0	0	3			
Loose stones and rub-							COAL	0	1	6			
bish	1	0	4								11	2	9
Loose <i>coals</i> and rub-							Blue slaty metal .	0	0	9			
bish	0	3	0				Black slaty metal,						
				9	0	1	mixed with <i>coal</i> ...	0	0	9			
Grey metal and metal							Grey metal	0	1	0			
stone, with post gir-							In white and grey post	1	1	6			
dles and water ...	5	0	0								1	4	0
Carried forward	5	0	0	9	0	1	Total				22	0	10

No. 848.—FARNACRES.

TOWNSHIP OF WHICKHAM, DURHAM.

Sheet 6 of Ordnance Map. Lat. 54° 56' 38", Long. 1° 37' 35".*Bored at Farnacres, in the Middle Field, near Team.*

Approximate surface level 35 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and blue clay	5	5	0			
	8	1	0			
				14	0	0
Total				14	0	0

* Approximate sea level (Ordnance datum).

No. 849.—FARNACRES.

TOWNSHIP OF WHICKHAM, DURHAM.

Sheet 6 of Ordnance Map. Lat.

Long.

Bored at Farnacres, high up in the Norwood, 10 yards from North Hedge.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay ...	2	3	0				Carried forward				33	3	1
COAL , foul ...	0	1	2				Grey thill ...	0	1	6			
Thill ...	0	1	10				Grey metal, with post						
Soft thill ...	1	3	0				girdles and hard						
Strong blue stone ...	1	3	0				lumps ...	3	0	0			
White post ...	3	3	0				Blue metal ...	0	1	0			
Grey post ...	0	1	0				<i>Whickham Stone Coal—</i>						
				9	4	0	COAL ...	Ft.	In.				
<i>By Thos. Wake, 27th</i>							Black band,	2	1				
<i>Sept., 1754:—</i>							mixed with						
Grey and white post	0	1	6				coal ...	0	3				
White post ...	2	1	6				Grey stone...	0	10				
Brown and grey metal	0	3	0				COAL ...	0	9				
COAL , with water...	0	5	3							0	3	11	
				3	5	3					4	0	5
<i>By Thos. Wake, 5th</i>							Grey thill ...			0	1	6	
<i>Dec., 1756:—</i>							White and grey post.			1	5	0	
Grey metal, with							with strong lumps			0	0	3	
strong lumps ...	4	2	3				COAL ...				2	0	9
Grey post, with metal													
parting and lumps	6	2	6				Grey thill ...			0	1	6	
COAL—The Little							Grey post, with strong						
<i>Coal</i> ...	0	1	8				lumps and metal			2	0	0	
				11	0	5	partings with water			2	2	3	
Grey thill, with water	0	1	6				White post ...			0	1	0	
White post, with							COAL—Jet Coal ...				4	4	9
strong lumps ...	1	3	6										
Whin ...	0	2	3				Grey thill ...			0	2	0	
White post, with water	0	4	6				Grey metal, with						
Grey and white post,							strong lumps ...			2	0	0	
strong lumps, and							Strong white post,			1	0	0	
water ...	2	4	0				with whin lumps ...						
Grey metal, with							Grey metal with post						
strong lumps and							girdles and strong			1	2	9	
water ...	2	0	0				lumps ...						
Black stone ...	0	3	0				Blue metal, with			0	3	9	
Grey post ...	0	3	0				strong lumps ...			0	2	0	
Grey metal ...	0	1	0				COAL—5/4 Seam ...				5	4	6
COAL ...	0	0	8								0	1	6
				8	5	5	Grey thill ...						
Carried forward				33	3	1	Total ...				50	3	0

No. 850.—FARNACRES.

TOWNSHIP OF WHICKHAM, DURHAM.

Sheet 6 of Ordnance Map. Lat. 54° 56' 36", Long. 1° 37' 43".

Bored at Farnacres, Norwood, in the Trial Pit, from the Stone Coal, in the Flats.

Approximate surface level 50 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Strong grey thill ...	0	3	0				Brought forward	0	1	0	12	4	8
Grey post ...	2	0	0				Grey stone ...	1	0	0			
Blue metal ...	0	2	0				COAL ...	0	0	4			
Grey post partings ...	0	3	0								1	1	4
Strong whin ...	0	0	8				Grey thill ...	0	3	0			
White post (some partings) ...	1	0	0				Blue metal ...	0	2	0			
Whin ...	0	0	9				Black metal ...	0	0	9			
Grey stone ...	1	0	0				COAL ...	0	1	4			
Blue stone ...	0	3	0								1	1	1
COAL ...	0	1	4				Grey thill ...	0	3	0			
				6	1	9	Grey stone ...	1	0	0			
Grey thill ...	0	1	0				Whin ...	0	1	0			
Grey stone ...	1	1	0				Strong white post ...	6	0	0			
Whin ...	0	0	9				Whin ...	0	1	4			
Blue stone ...	1	0	0				Grey metal ...	0	1	0			
Grey stone ...	1	0	0				Whin ...	0	4	0			
Whin ...	0	2	0				Strong white post ...	0	5	0			
White post ...	1	4	0				Strong grey stone ...	0	0	9			
Grey stone ...	0	2	0				COAL ...	0	1	4			
Blue metal ...	0	2	0								9	5	5
							Grey thill ...	0	3	0			
COAL ...							Grey stone ...	1	1	0			
Stone ...	0	2					Blue stone ...	1	0	0			
COAL ...							Grey stone ...	0	5	0			
							Strong white post ...	1	5	0			
							Blue metal ...	0	4	0			
							COAL ...	0	3	0			
Grey thill ...	0	1	0								6	3	0
							Grey thill ...				0	1	0
Carried forward	0	1	0	12	4	8	Total ...				31	4	6

No. 851.—FARNACRES.

TOWNSHIP OF WHICKHAM, DURHAM.

Sheet 6 of Ordnance Map. Lat. , Long.

*Bored in Farnacres, from the Whickham Stone Coal in the Prosperous Pit.
October 5th, 1759.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk to the Stone Coal				28	2	2	Brought forward				28	4	10
Grey stone ...	0	2	0				Grey thill ...	0	2	0			
COAL ...	0	0	8				White post, with water and strong lumps...	2	0	0			
				0	2	8							
Carried forward				28	4	10	Carried forward	2	2	0	28	4	10

No. 851.—FARNACRES.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Brought forward	2	2	0	28	4	10		Brought forward	3	2	5	40	4	4
Grey post, with water and strong lumps...	1	4	10					Grey post ...	0	4	0			
COAL ...	0	1	8					COAL ...	0	1	8			
				4	2	6						4	2	1
Grey thill ...	0	2	0					Grey thill ...	0	1	6			
Grey post ...	0	3	0					Grey post ...	0	5	10			
White post, with water	2	2	0					White post, with metal partings and water in it	2	1	6			
Whin ...	0	2	6					Grey and white post	0	3	0			
White post, with wind or water ...	0	3	0					Strong white post	2	3	0			
Whin ...	0	1	0					Whin ...	0	1	3			
White post, with water	0	5	0					Strong white post	0	4	0			
Whin ...	0	1	6					Grey post	0	2	0			
White post, mixed with water	1	1	0					COAL ...	0	0	6			
Grey post, with metal partings	0	4	0									7	4	7
COAL ...	0	2	0					Grey and black metal, mixed with coal	0	0	9			
				7	3	0		Grey metal stone, with black metal partings	2	2	9			
Grey thill ...	0	2	0					Grey and white post	0	3	0			
Grey and white post	0	5	0					Strong white post, with grey scames and windy beds	5	4	6			
Whin ...	0	1	8									8	5	0
Strong white post, with water	1	5	9											
Carried forward	3	2	5	40	4	4		Total				61	4	0

No. 852.—FARNACRES.

TOWNSHIP OF WHICKHAM, DURHAM.

Sheet 6 of Ordnance Map. Lat. 54° 56' 55", Long. 1° 38' 0".

Account of Strata sunk through in the Wheels Pit, Farnacres Colliery. Sunk to the Hutton Seam 1840, and commenced from there April 4th, 1842.

Approximate surface level 30 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Fine brown clay, with sandy parting at the bottom ...	3	1	3				Brought forward	1	1	0	7	0	0	
Very strong stony brown clay ...	1	5	9				<i>Maudlin Seam—</i>							
Sand and gravel ...	0	1	9				COAL , good	0	5½					
				7	0	0	Bands	0	4					
Grey post, mixed with metal partings ...	1	1	0				COAL , coarse	0	2					
							Band	0	1½					
							COAL , good	1	3					
							COAL , coarse	1	5½					
							Seggar clay	1	0					
							COAL	1	2½					
										1	0	0		
												2	1	0
Carried forward	1	1	0	7	0	0	Carried forward					9	1	0

* Approximate sea level (Ordnance datum).

No. 852.—FARNACRES.—CONTINUED.

			Ft. Ft. In.						Ft. Ft. In.		
Brought forward			9 1 0			40 3 1½					
Light grey metal, with post girdles			4	1	4						
<i>Low Main Coal Seam—</i>											
COAL			1	6							
Band			0	2							
COAL			2	0							
			0	3	8						
Grey metal thill			1	0	0	4 5 0					
White post			1	0	0						
Whin girdle			0	1	6						
White post			2	4	8						
<i>Hutton Seam—</i>											
COAL			2	11							
Band			0	0½							
COAL			2	0½							
Band			0	0½							
COAL, bottom			0	10		6 0 0					
Grey metal thill, mixed with seggar clay and ironstone balls			1	0	0						
Strong grey metal, with girdles			6	4	6						
Soft blue metal			1	3	0						
Very strong grey metal			0	5	1						
COAL			0	2							
Band			0	3							
COAL, good, but tender...			1	7		10 2 7					
Thill			0	0	3						
Black stone			0	1	2						
Grey post			0	3	0						
Grey metal			0	1	0						
White post			0	3	0						
Grey post			0	1	0						
Hard white post			0	3	0						
Hard grey post, mixed with grey metal			2	0	3						
Grey metal			0	1	10½						
Whin, mixed with grey post			0	2	4½						
Grey post			0	3	7½						
Soft blue grey metal			2	3	9						
COAL			0	0	3	8 0 6½					
Grey metal, mixed with seggar clay			0	4	10						
COAL, good			0	0	8	0 5 6					
Grey metal			1	0	2						
COAL, coarse			0	0	4	1 0 6					
Carried forward			40	3	1½						
Brought forward			3 5 0			1 1 1			5 0 1		
Grey metal			3	5	0						
<i>Beaumont Seam—</i>											
COAL, top			2	1							
Band			4	2							
COAL, bottom			0	10							
Thill stone			0	2	0						
White post			1	3	6						
COAL, coarse			0	0	5	1 5 11					
Blue metal, with post girdles and scares of coal			2	2	7						
COAL			0	0	4	2 2 11					
Thill stone			0	2	0						
White post			0	2	11						
Bastard whin			0	3	1						
Post			0	3	2						
Blue metal, mixed with seggar clay			1	0	6						
Blue metal			1	2	0						
Strong grey metal			0	1	1						
Blue metal			0	2	2						
COAL, coarse			0	2							
COAL, good			1	9							
Seggar clay band			0	5½							
COAL			0	2½		0 2 7					
Grey metal			2	2	5						
Post, with metal partings			1	0	4						
Blue metal			0	1	9						
COAL			0	1	5	9 1 5					
Strong grey metal, with post girdles			2	0	4						
White post, with metal partings			5	5	10						
COAL, tender, with small black scares			0	1	8½	8 1 10½					
Grey metal			0	2	8						
COAL			0	0	3						
Blue metal			1	1	10						
Grey metal			4	4	2						
COAL, coarse			0	0	4						
Grey metal			0	4	4						
<i>Brockwell Seam—</i>											
COAL, good			3	0							
Splint			0	4		0 3 4			7 4 11		
Sump—									75 2 3		
Grey metal			0	1	6						
White post			8	1	6				8 3 0		
Total			83	5	3						

NORTHUMBERLAND AND DURHAM.

No. 853.—FATFIELD.

TOWNSHIP OF HARRATON, DURHAM.

Sheet 13 of Ordnance Map. Lat. , Long.

*Fatfield.—No. 2 Boring at F, about 250 yards South from the first at G.
February 18th, 1752.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward	10	3	0	5	3	0
Clay ...	1	3	0				Grey and black metal	0	5	0			
Clay and gravel ...	3	5	0				Grey and brown scamy metal ...	2	1	0			
				5	3	0	Brown and blue ramble	0	2	0			
Rambly post ...	1	2	0				Brown and grey ramble	0	1	6			
Brown post ...	2	0	0				Grey post and whin...	3	1	0			
Brown and grey scamy post ...	0	3	0				Grey black metal ...	0	2	0			
Open brown post ...	0	5	6				Black metal and coal	0	1	0			
Brown and grey post	1	0	0				Black grey metal ...	0	1	0			
Blue metal, mixed with brown post ...	0	1	6				COAL ...	0	0	10			
Grey post ...	0	2	0								18	0	4
Grey and brown post	4	1	0				Grey metal ...				0	2	0
Carried forward	10	3	0	5	3	0	Total ...				23	5	4

No. 854.—FATFIELD.

TOWNSHIP OF HARRATON, DURHAM.

Sheet 13 of Ordnance Map. Lat. , Long.

Portobello.—Section of the Catharine Pit, near to Fatfield Colliery.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil, clay, and brown post ...	3	3	0				Brought forward	7	2	6	64	4	0½
COAL ...	0	2	7				COAL (two bands of 1 inch and 2 inches)						
				3	5	7	—Maudlin Seam...	0	4	10			
Metals ...	42	2	6								8	1	4
COAL —5¼ Seam ...	0	3	2				Metals ...	12	0	7			
				42	5	8	COAL —Low Main Seam ...	0	3	3			
Metals ...	16	4	9								12	3	10
COAL —Main Coal Seam ...	1	0	0½				Metals ...	7	5	7			
				17	4	9½	COAL —Hutton Seam	0	5	0			
Metals ...	7	2	6								8	4	7
Carried forward	7	2	6	64	4	0½	Total ...				94	1	9½

No. 855.—FAWDON.

TOWNSHIP OF FAWDON, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. 55° 0' 54", Long. 1° 39' 7".

*A Boring near Fawdon, No. 30 East, 85 Chains from Kenton Town Gate.
December, 1752.*

Approximate surface level 212 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	0				Brought forward	18	0	10	17	2	0
Stony clay	1	2	0				COAL						
Sand and channel, with							COAL , foul... ..						
water	1	2	0										
Stony clay	11	2	0					0	1	2			
				14	1	0					18	2	0
Soft brown ramble ...	0	1	8				White metal		0	3	0		
Brown ramble, with							Grey metal stones,						
post girdles	0	3	0				with post girdles ...		1	0	9		
Grey, green, and brown							Whin		0	0	9		
scamy metal	0	1	6				Strong white post ...		0	1	6		
Grey metal	0	3	4				Whin		0	1	0		
Grey metal, with post							Grey metal stone, with						
girdles and water...	1	1	6				post girdle... ..		4	4	0		
Black metal	0	1	0				Grey metal		0	2	0		
Black slaty metal,							Blue black metal, with						
scared with coal ...	0	1	0				catheads		0	2	0		
				3	1	0	<i>Kenton Main Coal—</i>						
Soft white and grey							COAL , hard						
metal	1	4	0				foul						
Grey metal stone, with							COAL						
post girdles and							A brass lump						
water	0	4	0				or scare band ...		0	1			
White post, with scamy							COAL						
partings and water	2	0	0					0	5	8			
White and grey metal,											8	2	8
with girdles or lumps	3	2	0				Grey metal, scared						
Black and blue metal,							with coal		0	1	3		
with girdles or lumps	0	3	0										
Grey metal, with gir-							COAL , with						
dles or lumps	0	3	0				white metal		0	6			
Black metal, scared							COAL , foul... ..		1	2			
with coal and water	0	0	4				Blue metal, with						
Grey and blue metal,							some small						
with girdles or lumps	1	2	0				scars of coal ...		0	7			
White post girdles,							COAL		1	1			
with metal partings											0	3	4
and much water ...	2	1	0										
White post	0	5	0								0	4	7
Black and grey metal	0	3	0				Grey metal		0	1	2		
Blue metal, mixed with							Grey metal stone, with						
coal	0	0	6				girdles or lumps ...		4	0	0		
Post girdles, with blue							Grey post, with water		0	3	0		
metal partings ...	1	3	0				Mixture whin		0	0	10		
Blue and black metal,	2	5	2				Grey metal stone ...		2	0	0		
with catheads	0	0	10				Blue metal		0	1	3		
							Soft blue and black						
							metal, mixed with						
							water		0	1	3		
							Grey metal, with gir-						
							dles or lumps		2	4	0		
Carried forward	18	0	10	17	2	0	Carried forward	9	5	6	44	5	3

NORTHUMBERLAND AND DURHAM.

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No. 855.—FAWDON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	9	5	6	44	5	3		Brought forward			55	3	8
COAL, foul slaty ...	2	6						Soft grey metal ...	0	1	0		
Blue black and grey scamy metal ...	1	0						In grey scamy post girdles, with metal partings ...	0	3	0		
COAL, hard foul slaty, with water...	1	5									0	4	0
				0	4	11							
				10	4	5							
Carried forward				55	3	8		Total ...			56	1	8

* Approximate sea level (Ordnance datum).

No. 856.—FAWDON.

TOWNSHIP OF FAWDON, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. 55° 0' 52", Long. 1° 38' 39".

An Account of Strata sunk through in Fawdon Engine Pit. March 9th, 1810.

Approximate surface level 208 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Outset ...	1	0	6				Brought forward	5	3	4	15	5	9
Soft blue clay ...	1	2	0				Blue stone ...	5	1	9			
Sand and gravel, with water ...	0	1	0				COAL ...	0	0	1			
Strong stony clay ...	5	5	6								10	5	2
COAL ...	0	1	3				Grey post, with open gulleys and water...	2	4	0			
Soft blue thill ...	1	0	0				White post, very close	1	4	0			
Blue stone ...	1	4	10				Black stone ...	0	3	0			
COAL, splint, with water ...	0	0	9				COAL and stone ...	0	1	0			
Soft blue thill ...	0	3	6								5	0	0
White post, with water	2	2	0				White post, with cashy partings ...	1	3	3			
Black stone ...	1	0	6				White post ...	0	4	5			
COAL ...	0	1	11				Black stone ...	0	3	5			
				15	5	9					2	5	7
Grey metal stone ...	1	0	2				COAL ...	0	1	3			
Grey post, with water	0	3	11								5	5	11
Blue stone ...	1	4	6				Post—Main Post ...	8	4	6			
Black stone ...	0	1	9				COAL ...	0	4	6			
Grey metal stone ...	1	1	0								9	3	0
White post, with water	0	4	0										
Carried forward				5	3	4	Total ...				47	1	10

* Approximate sea level (Ordnance datum).

No. 857.—FAWDON.

TOWNSHIP OF FAWDON, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. 55° 0' 52", Long. 1° 38' 39".

Boring made from the Thill of the Seam in Fawdon Engine Pit.

Approximate surface level, plumb over top of pit, 208 feet above sea (Ordnance datum).

	Fa.	Ft.	In.	Fa.	Ft.	In.		Fa.	Ft.	In.	Fa.	Ft.	In.
Grey metal stone ...	6	2	0				Brought forward	2	5	0	12	0	1
COAL ...	0	0	8				Whin ...	0	0	10			
				6	2	8	White post, with water	1	1	6			
Soft thill ...	0	2	9				Whin ...	0	1	6			
Grey metal stone ...	3	0	3				Post ...	0	0	8			
White post ...	0	0	1				Grey metal stone ...	0	3	0			
Grey metal stone ...	0	0	9				Post ...	0	1	2			
White post, with water	0	1	6				Grey metal stone ...	0	1	9			
Grey metal stone ...	1	2	9				Blue stone ...	0	2	4			
Black stone ...	0	1	2				COAL ...	0	0	9			
COAL ...	0	0	2								6	0	6
				5	3	5	In thill ...				1	0	0
Thill ...	0	3	0										
Blue stone ...	2	2	0										
Carried forward	2	5	0	12	0	1	Total ...				19	0	7

No. 858.—FAWDON.

TOWNSHIP OF FAWDON, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. , Long.

Strata sunk through in the Fawdon Second Pit. March 11th, 1812.

Approximate surface level feet above sea (Ordnance datum).

	Fa.	Ft.	In.	Fa.	Ft.	In.		Fa.	Ft.	In.	Fa.	Ft.	In.
Outset ...	1	1	0				Brought forward	1	1	0	15	1	0
Stony clay ...	1	2	0				Brown scamy metal ...	1	0	0			
Sand and gravel ...	0	2	0				Blue stone ...	5	4	0			
Stony clay ...	12	2	0				Black stone ...	4	2	0			
				15	1	0	Blue stone ...	1	0	0			
Soft brown stone ...	0	3	0				Grey post ...	1	0	0			
Brown ramble, with											14	1	0
post girdles ...	0	4	0										
Carried forward	1	1	0	15	1	0	Total ...				29	2	0

No. 859.—FAWDON.

TOWNSHIP OF FAWDON, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. _____, Long. _____

Strata sunk through in the Fawdon Third Pit. May, 1812.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Outset ...	1	1	0				Brought forward	7	4	0	14	2	0
Stony clay ...	1	0	0				Post stone ...	1	5	0			
Sand and gravel ...	0	1	0				Grey metal stone ...	3	3	0			
Stony clay ...	12	0	0				White post, with open						
				14	2	0	gullets and water...	2	4	0			
Soft blue stone ...	4	0	0								15	4	0
Black stone ...	3	4	0										
Carried forward	7	4	0	14	2	0	Total ...				30	0	0

No. 860.—FELKINGTON.

TOWNSHIP OF FELKINGTON, NORTHUMBERLAND.

Sheet 6 of Ordnance Map. Lat. _____, Long. _____

Section of Strata sunk through in Felkington New Pit, and in a Staple from the Cooper-Eye Seam on the Fourteen-Fathom Upcast Dyke South-west to the Wester Coal Seam.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay ...	1	3	0				Brought forward				11	2	5
Freestone bands ...	0	5	0				Soft light blue shale	0	2	0			
Red freestone ...	6	0	0				Limestone ...	0	0	3			
Blue shale ...	0	2	5				Strong grey sills ...	0	2	0			
COAL, coarse ...	0	0	9				Freestone ...	0	1	8			
Hard limestone ...	0	2	6				Shale ...	0	0	2			
COAL, good ...	0	1	0				Hardy or Stony Coal—						
Blue shale ...	0	2	10										
Limestone ...	0	2	7				COAL ...						
Soft blue shale ...	0	2	10				Band of blue						
Black Hill or Scre-							shale ...	0	9				
merston Main Coal							COAL ...	1	2				
Seam—	Ft.	In.					Band of lime-						
COAL, top,							stone ...	1	2				
mixed with							COAL ...	0	9				
limestone...	2	6									0	4	7
Stone band...	0	2											
COAL, ground	0	10					Strong tills and free-				1	4	8
				0	3	6	stone ...				0	1	2
							Grey tills ...				0	1	0
							COAL, diamond ...				0	1	4
Carried forward											0	3	6
				11	2	5	Carried forward				13	4	7

No. 860.—FELKINGTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	13	4	7			
Tills ...	0	2	0			
Freestone bands ...	0	4	0			
Limestone ...	0	1	6			
COAL ...	0	0	4			
Tills ...	0	2	6			
Strong blue shale ...	2	5	0			
Freestone bands ...	1	0	3			
Blue shale ...	1	4	0			
COAL , coarse ...	0	0	3			
Freestone ...	0	1	0			
<i>Main or Bulman Coal</i>						
COAL (gen- erally left for roof) ...	Ft.	In.				
Strong chalk ...	0	1				
COAL , splint, good ...	1	1				
COAL , rough, good ...	0	7				
Stone band ...	1	8				
COAL , coarse ...	0	8				
COAL , par- rot ...	0	11				
Stone chalk ...	0	1				
COAL , foul, smithy ...	0	4				
	1	0	7			
				8	3	5
Strong grey tills ...	0	0	7			
Soft light blue shale ...	0	0	9			
Freestone band ...	0	0	6			
Black shale ...	0	0	3			
Limestone ...	0	1	1			
Black shale ...	0	0	10			
Limestone ...	0	0	3			
	Ft.	In.				
COAL ...	0	11				
Limestone ...	0	11				
COAL ...	0	7				
	0	2	5			
				1	0	8
Strong grey tills ...	0	4	6			
Soft blue shale ...	0	1	11			
Tills ...	0	2	6			
Strong grey tills ...	3	0	0			
Freestone bands ...	6	2	0			
Blue metal ...	0	5	0			
Grey freestone ...	1	2	0			
COAL ...	0	0	6			
Hard red freestone (Ten-Quarter Stone)	3	0	0			
Blue metal ...	0	2	0			
Grey freestone (Ten- Quarter Stone)	2	3	0			
Blue metal ...	2	0	0			
Limestone ...	0	2	0			
COAL ...	0	1	0			
Metal ...	0	0	6			
Grey tills ...	0	2	0			
Carried forward	21	4	11	23	2	8

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	21	4	11	23	2	8
<i>Three-Quarter Seam—</i>						
	Ft.	In.				
COAL ...	1	2				
Stone band ...	0	6				
COAL ...	1	0				
	0	2	8			
				22	1	7
Metal ...	0	3	0			
COAL ...	0	0	3			
Blue metal ...	0	1	6			
Freestone ...	0	2	6			
Blue metal ...	0	2	0			
COAL ...	0	0	3			
Limestone ...	0	1	2			
<i>Cooper-Eye Seam—</i>						
	Ft.	In.				
COAL , splint ...	1	3				
Stone band ...	0	9				
COAL , ground ...	1	4				
	0	3	4			
				2	2	0
Soft blue metal ...	0	3	0			
Limestone ...	0	1	6			
Tills ...	0	2	0			
Hard bastard lime- stone ...	0	3	0			
Blue tills ...	0	5	0			
Limestone ...	0	1	0			
Blue tills ...	0	1	6			
Freestone ...	0	2	0			
Blue tills ...	0	3	6			
Freestone ...	0	1	0			
COAL ...	0	0	6			
Metal ...	0	1	0			
Grey freestone ...	0	2	9			
Red freestone ...	0	2	9			
Limestone ...	0	1	4			
Metal ...	0	1	6			
Limestone ...	0	1	8			
Freestone band ...	0	2	0			
Tills ...	1	0	0			
Limestone ...	0	2	6			
Metal ...	0	1	4			
Limestone ...	0	1	0			
Metal ...	0	2	6			
<i>Wester Coal Seam—</i>						
	Ft.	In.				
COAL ...	2	2				
Limestone ...	1	6				
COAL ...	0	7				
Blue metal band ...	3	0				
COAL ...	0	10				
	1	2	1			
				9	4	5
Total ...				57	4	8

No. 863.—FELLING.

TOWNSHIP OF HEWORTH, DURHAM.

Sheet 3 of Ordnance Map. Lat. , Long.

Bored in the second place in Felling Grounds, 200 yards South from the first.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Raised from the surface	0	3	0				Brought forward				36	0	8
Soil and sandy clay ...	0	1	6				Soft grey metal ...	0	2	0			
Stony clay ...	1	0	0				Grey and blue metal ...	1	3	0			
Leafy clay ...	2	0	0				Black metal ...	0	0	6			
Stony clay ...	1	2	6				COAL ...	0	0	8			
Stony clay, mixed											2	0	2
with sand ...	1	3	0				Blue and grey metal	0	1	0			
Sand, with a small							Grey post ...	2	0	0			
mixture of clay ...	0	5	3				Soft white metal ...	0	4	0			
Leafy clay ...	3	0	9				Strong grey metal						
Leafy, clay, mixed							stone ...	1	3	0			
with sand and a							Blue and grey metal,						
small sipping of water	4	4	0				with girdles or						
Sand, with a sipping of							lumps ...	3	0	0			
water and a small							COAL ...	0	0	7			
mixture of clay ...	1	3	0								7	2	7
Brown sandy ramble							Blue metal ...	0	1	0			
or gravel ...	1	3	0				Grey and white post,						
				18	2	0	with water ...	1	1	0			
Brown scamy metal,							Blue and black metal,						
with water ...	3	0	9				with girdles or						
Soft red and brown							lumps and water ...	2	1	0			
sandy ramble ...	0	2	0				White post ...	1	3	0			
Brown scamy post,							Black metal, with						
with open thready							girdles or lumps ...	2	0	6			
partings ...	1	4	7				COAL ...	0	0	6			
Black stone ...	0	1	6								7	1	0
Grey metal ...	1	1	0				Grey metal ...	0	0	9			
Open grey and brown							Strong white and grey						
post, with water ...	0	3	0				post and water ...	2	3	0			
Whin ...	0	2	0				Strong white and grey						
Brown and grey post							post and water ...	9	1	0			
Soft grey metal, with							Grey metal ...	0	1	4			
post girdles and							Soft blue and black						
water ...	1	2	0				metal ...	0	0	6			
COAL ...	0	0	10										
				9	3	8	COAL ...	Ft. In.					
Soft grey metal ...	0	1	0				... 1 5						
Blue and black metal,							Blue metal, scared						
with girdles or							with coal ...	0	1				
lumps ...	1	0	0				COAL ...	0	7				
Grey metal stone ...	1	3	0				Small slaty						
Blue and grey metal,							lump or band	0	1				
with post girdles ...	1	5	0				COAL , with						
Whin ...	0	1	6				water ...	3	0				
Strong white post,							Blue metal ...	0	3				
with water ...	3	1	6				COAL ...	1	11				
Black slaty metal,							COAL , foul						
mixed with coal ...	0	0	6				brassy ...	0	6				
COAL ...	0	0	6							1	1	10	
				8	1	0	In grey metal ...				13	2	5
Carried forward				36	0	8					0	1	0
							Total ...				66	1	10

No. 864.—FELLING.

TOWNSHIP OF HEWORTH, DURHAM.

Sheet 3 of Ordnance Map. Lat. , Long.

An Account of a Boring at Felling Shore. October 26th, 1776.

Approximate surface level feet above sea (Ordnance datum).

	Fa.	Ft.	In.	Fa.	Ft.	In.		Fa.	Ft.	In.	Fa.	Ft.	In.
Sunk to the scaffold	4	1	6				Brought forward	8	4	10	27	3	9
Box	1	3	0				COAL, foul	0	0	6			
Brown and grey post, with water	3	0	0				Soft blue grey metal	1	0	6			
Brown and black rambly metal	0	3	0				COAL	0	0	8	10	0	6
Grey metal and metal stone, with girdles	2	3	0				Grey metal	0	0	6			
Grey and brown post	1	0	0				Grey post, with water	1	3	0			
Strong thready post, with water	0	1	6				Blue grey metal	0	5	0			
Brown and grey post, with metal partings	4	0	0				Black metal	0	0	8			
COAL, foul slaty	0	0	8				COAL	0	0	6	2	3	8
				17	0	8	Blue metal	0	2	0			
Grey metal, with girdles	1	3	0				Grey post	1	0	0			
COAL	0	0	10				Blue grey scamy stone	0	5	6			
				1	3	10	Soft blue and black metal	2	3	0			
Grey metal	1	4	0				COAL	0	0	4	4	4	10
White and grey post, with water	1	1	0				Black grey metal	0	1	6			
Grey metal and metal stone, with water	2	5	0				Grey scamy post, with water	4	0	0			
Black stone	0	1	0				Strong white post, with whin in several places	5	4	9			
Grey and blue metal and metal stone, with girdles and water	2	5	0				Blue rambly metal	0	1	0			
Black slate, mixed with coal	0	1	3				Grey post	0	1	6			
				8	5	3	COAL, with a small brassy band 29 in- ches from top— <i>Main Coal Seam</i>	0	5	1	11	1	10
Grey post and water	1	0	0				Grey metal	0	0	3			
Grey metal stone	1	3	0				COAL, coarse, mixed with brass in the middle	0	2	1			
Black slaty metal, with some scares of coal	0	1	4				Black slate, mixed with coal	0	0	7	0	2	11
Grey metal	1	0	0								0	1	0
Mixture whin	0	1	6				In grey metal						
Grey metal stone, with girdles	4	5	0										
Carried forward	8	4	10	27	3	9	Total				57	0	6

No. 865.—FELLING.

TOWNSHIP OF HEWORTH, DURHAM.

Sheet 3 of Ordnance Map. Lat. 54° 57' 27", Long. 1° 34' 5".

*Bored in a second place in Felling Estate, about 500 yards North from Felling Hall.
February 28th, 1777.*

Approximate surface level 85 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk to the scaffold	9	4	6				Brought forward	14	4	7	30	1	11
Box ...	4	2	6	*			Whin ...	0	1	0			
	1	5	0				Grey metal stone, with						
Soft brown ramble							girdles ...	1	0	0			
post ...	4	0	0				Blue and black metal	2	0	7			
Brown post ...	0	2	0				COAL ...	0	0	5	18	0	7
Black metal, with							Grey metal ...	0	1	0			
scars of coal ...	1	0	0				White post, with water	2	2	0			
Grey and blue metal	0	4	0				Strong white post,						
COAL , foul, with							with a mixture of						
small bands of metal	0	2	3				whin in several						
				22	2	3	places and water ...	9	0	0			
Grey and blue metal,							Blue metal ...	0	0	2			
with girdles ...	2	4	6				COAL ...	0	2	0			
Grey and brown post	4	4	0				Slaty metal ...	0	2	1			
Blue grey metal ...	0	2	0				COAL ...	0	3	1	12	4	4
COAL ...	0	1	2	7	5	8	Blue metal ...	0	0	2			
Blue grey metal, with							COAL , coarse ...	0	0	11			
post girdles ...	8	2	7				Blue metal ...	0	0	1			
Grey metal ...	0	3	0				COAL coarse ...	0	1	3	0	2	5
White post, with water	1	0	0										
Grey metal and metal													
stone, with girdles													
and water ...	4	5	0										
Carried forward	14	4	7	30	1	11	Total ...				61	3	3

* Approximate sea level (Ordnance datum).

No. 866.—FELLING.

TOWNSHIP OF HEWORTH, DURHAM.

Sheet 3 of Ordnance Map. Lat. 54° 57' 32", Long. 1° 33' 40".

An Account of the Strata at Venture Pit, Felling Colliery.

Approximate surface level 75 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Outset clay and soil	12	3	0	*			Brought forward	28	5	6			
	6	4	0				COAL—3/4 Seam ...	0	1	6	29	1	0
Sand ...	2	5	0				White post girdles						
Brown post ...	2	0	0				and metal partings	1	5	4			
Blue and grey metal							Grey metal stone ...	1	0	2			
stone ...	4	5	6										
Carried forward	28	5	6				Carried forward	2	5	6	29	1	0

No. 867.—FELLING.

TOWNSHIP OF HEWORTH, DURHAM.

Sheet 3 of Ordnance Map. Lat. , Long.

Account of Strata bored through at the Venture Pit, Felling Colliery.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk to the scaffold...				15	3	8	Brought forward	4	3	4	32	3	10
Box ...	7	0	0				COAL ...	0	0	9			
Brown post, with partings ...	3	4	0				Grey metal stone ...	1	3	0			
COAL ...	0	1	3				COAL ...	0	1	5			
				10	5	3					6	2	6
Grey metal, with girdles ...	2	0	0				Soft blue and grey slaty metal ...	5	0	0			
COAL ...	0	1	4				Grey metal, with girdles ...	2	0	4			
				2	1	4	White post ...	0	1	6			
Grey metal ...	1	5	6				Whin ...	0	3	0			
Strong white post, mixed with whin ...	0	1	9				Strong white post ...	0	1	0			
Grey metal, with girdles ...	1	3	6				Grey metal stone, with post girdles ...	3	3	6			
COAL ...	0	0	10				Blue and black metal	2	3	0			
				3	5	7	COAL ...	0	1	0			
Grey metal ...	2	1	0								14	1	4
Strong white post, with metal partings	1	2	0				Grey metal ...	0	2	3			
Grey metal, with girdles ...	1	0	4				Strong white post ...	10	5	7			
							COAL—High Main Seam ...	1	0	0			
Carried forward	4	3	4	32	3	10					12	1	10
							Total ...				65	3	6

No. 868.—FELLING.

TOWNSHIP OF HEWORTH, DURHAM.

Sheet 7 of Ordnance Map. Lat. of John Pit 54° 57' 15", Long. 1° 34' 21".

An Account of a Boring in the John Pit, from the Thill of the Low Main Seam to the Beaumont Seam. July 6th, 1840.

Approximate surface level at top of pit 120 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Box ...	1	2	0				Brought forward	27	1	3			
Grey metal ...	0	2	0				Dark grey metal, with girdles ...	0	3	3			
Strong white post ...	11	4	0								27	4	6
Black metal and foul coal ...	0	1	0				Beaumont Seam—						
Grey metal stone ...	0	3	0				COAL ...	1	8				
White post ...	2	3	0				Grey metal stone ...	2	6				
Grey metal, with girdles ...	7	0	6				COAL ...	0	10				
Strong white and grey post, with metal partings ...	3	3	9							0	5	0	
							In grey post ...	1	4	8			
Carried forward	27	1	3								2	3	8
							Total ...				30	2	2

No. 869.—FERRYHILL.

TOWNSHIP OF FERRYHILL, DURHAM.

Sheet 35 of Ordnance Map. Lat. , Long.

Third place near Thinford Lane, 350 yards S.W. from the first. July 15th, 1777.

Approximate surface level feet above sea (Ordnance datum).

	Fa.	Ft.	In.	Fa.	Ft.	In.		Fa.	Ft.	In.	Fa.	Ft.	In.
Soil and strong stony clay ...	3	4	0				Brought forward	6	1	3	18	0	3
Rambly post...	0	4	3										
Brown and grey post	3	2	3				COAL ...						
Grey and scamy post, with coal pipes ...	0	1	0				Blue metal ...						
Brown and grey post	3	2	0				COAL ...						
COAL, with water...	0	2	3					0	2	4			
				11	3	9	Grey metal ...				6	3	7
Grey metal ...	0	3	0				White and grey post				0	3	0
White grey post ...	0	5	0				Grey metal stone, with water ...				2	5	2
Grey metal, with post girdles ...	2	0	10				Black stone ...				0	0	6
White grey and scamy post ...	0	4	6				Blue grey metal ...				0	2	0
Strong grey metal stone ...	0	3	5				COAL, soft, with water ...				0	2	0
Blue grey metal ...	1	2	4								4	1	8
							Soft dunnish grey metal, with water ...				0	0	6
COAL, foul... Ft. In.	0	6					Grey metal, with brass lumps ...				0	4	3
COAL ...	0	8					White post, with metal partings and water				1	3	2
COAL, foul... 0 3							Black stone, with dun lumps ...				0	1	6
	0	1	5				Grey metal stone, post girdles, and water...				2	3	1
				6	2	6	Grey and white post...				0	3	0
Blue grey metal ...	0	1	0				Blue metal stone ...				0	2	10
Grey scamy post, with metal partings ...	1	2	7				White post, with water				1	5	2
Blue metal ...	0	1	0				COAL ...				0	0	4
COAL ...	0	1	0				Black grey slate, mixed with coal ...				0	0	5
Black stone ...	0	0	3				Blue metal stone ...				0	3	9
Blue grey metal ...	0	5	0				Grey and white post				0	4	0
COAL ...	0	0	8								9	2	0
Blue metal ...	0	1	10				Sept. 13th. — Bored further :—						
Grey scamy post ...	0	2	10				Grey and white post...				2	0	0
Strong white post, with water ...	1	1	4										
Blue grey metal ...	1	1	1										
Black stone ...	0	0	8										
Carried forward	6	1	3	18	0	3	Total ...				40	1	6

No. 870.—FERRYHILL.

TOWNSHIP OF FERRYHILL, DURHAM.

Sheet 35 of Ordnance Map. Lat. 54° 41' 10", Long. 1° 34' 19".

*Account of the Boring in the High Pit, at Ferryhill, about a mile West from the Town.
December 24th, 1823.*

Approximate surface level 580 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk to the <i>Main Coal</i>							Brought forward	6	1	10	50	4	2
<i>Thill</i> ...				27	0	0	Blue grey whin ...	0	1	0			
White grey metal ...	1	1	0				Grey metal stone ...	0	3	8			
Dark grey metal stone,							COAL ...	0	1	5			
with post girdles ...	4	1	0								7	1	11
Grey post ...	0	3	0				Grey metal ...	0	1	6			
Grey metal stone ...	1	5	4				Grey metal stone ...	0	4	0			
Grey metal ...	1	1	8				Black metal, scared						
Grey metal stone, with							with <i>coal</i> ...	0	1	0			
post girdles ...	2	1	0				Grey post (set away						
Darkish grey metal ...	0	1	2				the water) ...	2	0	8			
							White post, mixed						
COAL ...							with whin ...	0	2	8			
Dark grey metal,							Blue grey metal stone	0	1	6			
scared							Strong grey post ...	0	2	0			
with <i>coal</i> ...	1	11					Grey metal stone, dark						
COAL ...	0	11					near the bottom ...	0	4	0			
Dark grey metal,													
with													
scared of <i>coal</i> ...	0	7					COAL ...						
COAL ...	0	8					Ft. In.	0	11				
Dark metal ...	0	4					Dark grey metal ...	0	5				
COAL ...	0	5					COAL ...	0	2				
				0	5	2					0	1	6
				12	1	4					5	0	10
White metal ...	1	2	0				Grey metal stone, with						
COAL , foul ...	0	0	8				post girdles ...	0	3	5			
							Strong grey post ...	0	5	6			
							Grey metal and metal						
				1	2	8	stone ...	3	0	0			
Dark grey metal ...	0	1	0				COAL ...	0	1	9			
Grey metal stone, with													
girdles, rather dark											4	4	8
the last 6 fathoms	9	3	8				Grey metal stone, in-						
COAL , rather foul ...	0	1	6				cluding to post ...	5	1	0			
							Strong white post,						
							mixed with whin ...	7	3	9			
				10	0	2	Grey metal stone ...	0	0	9			
Grey metal ...	0	0	9				Strong white post,						
Black metal, marked							mixed with whin ...	7	3	9			
with <i>coal</i> ...	0	0	7				Dark grey metal, with						
Grey metal stone, with							girdles ...	2	3	0			
girdles ...	6	0	6										
Carried forward	6	1	10	50	4	2	Carried forward	23	0	3	67	5	7

No. 870.—FERRYHILL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	23	0	3	67	5	7	<i>Section of the Main</i>						
Dark metal, with girdles	1	1	6				<i>Coal Seam at</i>						
Grey metal and thin girdles	0	3	6				<i>Ferryhill:—</i>						
Strong white post, with a mixture of limestone	3	1	6				Good roof, metal stone	...					
				28	0	9	COAL, good	...	0	1	0		
Total				*96	0	4	Grey metal band	...	0	1	0		
							COAL, good	...	0	3	0		
							COAL, foul	...	0	0	5		
											0	5	5
							Total				0	5	5

* Approximate sea level $3\frac{1}{2}$ feet below this.

No. 871.—FERRYHILL.

TOWNSHIP OF FERRYHILL, DURHAM.

Sheet 35 of Ordnance Map. Lat. $54^{\circ} 41' 19''$, Long. $1^{\circ} 34' 37''$ of High Hill House.*Bored in the first Hole on the side of Ferryhill, on the South side of the Brook in a Field adjoining the High Old House on the West side. October 1st, 1835.*

Approximate surface level 600 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	0	10				Brought forward	26	0	9			
Strong brown and blue stony clay	4	1	8				COAL, coarse						
Soft red post	1	1	0				splinty	...	0	10			
Red post (the water arose to the scaffold)	2	5	8				COAL, rather coarse	...	1	7			
Soft red and blue metal partings	0	4	4								0	2	5
Grey, red, and brown scamy post, with soft partings	3	3	6								26	3	2
Black metal, with red scares	0	1	4				Grey metal and metal stone, with thin girdles and water	...	3	0	4		
Grey and red post, with water	9	4	8				COAL, brassy and rather coarse, with water	...	0	1	8		
Whin girdle	0	0	10								3	2	0
Strong red post, with whin girdles and water	1	3	2				Grey metal and metal stone, with post girdles	...	2	3	10		
Blue metal	1	2	0										
Black metal, mixed with foul coal	0	1	9				COAL	...					
							Ft. In.						
							COAL	...	0	11			
							Metal band	...	0	2			
							COAL	...	0	8			
							COAL, foul	...	1	9			
											0	3	6
Carried forward	26	0	9								3	1	4
							In grey metal	...			0	3	0
							Total				33	3	6

No. 872.—FERRYHILL.

TOWNSHIP OF FERRYHILL, DURHAM.

Sheet 35 of Ordnance Map. Lat. about $54^{\circ} 41' 30''$, Long. $1^{\circ} 32' 3''$.*Boring in the Ferryhill Estate, at the East end of Ferryhill, about 200 yards West from the Clarence Railway. 1836.*

Approximate surface level 365 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay ...	0	4	0				Brought forward				25	0	2
Sandy clay ...	1	0	0				Grey metal, scared						
Brown and grey metal	1	4	0				with coal ...	1	5	6			
Black metal ...	0	2	0				Grey post ...	0	1	0			
Grey metal ...	0	5	0				Grey metal stone ...	1	5	6			
Black metal ...	0	2	2				Strong white post ...	1	1	0			
Grey metal ...	1	0	6				White metal ...	0	1	0			
Black metal ...	0	0	2				Black metal, scared						
Grey metal ...	0	1	2				with coal ...	0	2	6			
Dark grey metal,							Grey metal stone ...	3	0	6			
mixed with coal ...	0	1	9				Black metal stone,						
				6	2	9	scared with coal ...	0	2	6			
COAL , rather foul...	0	1	1				Grey metal stone, with						
Brownish grey metal	5	3	3				post girdles and						
Dark metal, scared							water ...	4	3	6			
with coal ...	0	2	0				COAL ...	0	1	3			
											14	0	3
COAL , tender	3	7					Grey metal stone ...	11	5	9			
COAL , coarse							Whin ...	0	4	4			
splint ...	1	7					Grey metal stone ...	0	2	0			
				0	5	2	Strata omitted ...	0	3	6			
											13	3	7
Grey metal and metal							Grey metal ...	0	3	2			
stone, with post							Strong white post ...	0	3	2			
girdles ...	4	2	4				Grey metal stone ...	2	3	0			
							Strong grey metal, in-						
COAL , soft,							clining to post ...	1	2	0			
rather foul...	1	2					COAL ...	0	1	10			
Grey metal ...	0	1									5	1	2
COAL ...	0	1					Grey metal stone ...	1	4	0			
				0	1	4	COAL , foul...	0	0	10			
											1	4	10
Grey metal ...	0	2	9				Grey metal ...	1	1	3			
Whitish grey post ...	1	0	0				Strong white post ...	1	1	0			
Grey metal stone, with							Whin ...	1	0	0			
girdles ...	4	3	11				Strong white post ...	0	0	10			
COAL , slaty							Whin ...	0	3	7			
first 3 inches, Ft. In.							Grey metal stone ...	1	0	0			
with water...	1	4					COAL ...	0	4	7			
Grey metal band	0	8									5	5	3
COAL , foul...	0	1					In grey metal ...				1	2	0
COAL , with													
water ...	3	0											
COAL , foul...	0	6											
				0	5	7							
				7	0	3							
Carried forward				25	0	2	Total ...				66	5	3

* Approximate sea level (Ordnance datum).

No. 873.—FERRYHILL.

TOWNSHIP OF FERRYHILL, DURHAM.

Sheet 35 of Ordnance Map. About Lat. $54^{\circ} 42' 7''$, Long. $1^{\circ} 34' 2''$.*Boring in the fourth Hole, one mile North of Ferryhill, and 220 yards West of Turnpike. January 5th, 1836.*

Approximate surface level 427 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brown clay, with some small pieces of metal	3	4	6				Brought forward	21	5	0	15	5	8
COAL, soft	0	1	0				Strong grey metal stone, inclining to post	2	0	6			
				3	5	6	Strong white post, mixed with whin	0	4	10			
Grey metal and metal stone	1	2	0				Strong white post, with water	2	4	3			
COAL, rather foul	0	0	11				Strong grey metal stone	1	3	9			
				1	2	11	Darkish grey metal	0	1	0			
Grey metal	0	5	1				COAL, tender and brownish the first 16 inches	0	3	0			
Strong grey metal stone	3	1	6								29	4	4
Old waste (supposed to be the <i>Five-Quarter</i>)	0	2	9				Brownish grey metal	0	0	5			
				4	3	4	Strong white post	3	2	11			
Grey metal	1	2	3				Blue metal parting	0	1	0			
Whitish grey post	1	4	9				Strong white post	0	3	1			
Grey metal stone	2	3	3				Metal parting	0	1	0			
COAL, soft coarse	0	1	8				Strong white post, with partings	0	3	5			
				5	5	11	Strong grey metal stone, with girdles	1	0	3			
Grey metal and metal stone, with post girdles	7	3	4				Gullety mixed whin girdles	0	0	11			
Grey and white thready post, with water	1	2	10				Grey metal stone	2	3	6			
Strong white thready post, with whin girdles and water	0	3	8				Black metal	0	0	4			
Grey and white post, with whin girdles	2	3	6				COAL	0	1	7			
Strong grey metal stone, with water and girdles	3	1	5								9	0	5
Grey thready post, with water	0	4	4				Grey metal stone, with girdles	1	3	0			
Strong white post, with water	0	3	8				COAL, foul	0	1	0			
Grey metal and metal stone, with whin girdles	4	1	6								1	4	0
Grey post	0	3	6				Grey metal and metal stone, with girdles	4	3	8			
Strong white post, mixed with whin and water	0	1	3				COAL, strong	0	2	6			
											5	0	2
Carried forward	21	5	0	15	5	8	Grey metal	0	5	10			
							COAL	0	2	0			
											1	1	10
							Grey metal	0	0	2			
							Whitish grey post, mixed with whin	8	2	5			
											3	5	0
							Carried forward	12	1	7	62	4	5

* Approximate sea level (Ordnance datum).

No. 873.—FERRYHILL.—CONTINUED.

	Ft.	Ft.	In.	Ft.	Ft.	In.		Ft.	Ft.	In.	Ft.	Ft.	In.
Brought forward	12	1	7	62	4	5	Brought forward	78	5	3			
Dark blue metal ...	0	0	8				Grey metal stone, with hard girdles ...	3	0	4			
COAL ...	0	11					COAL , slaty, Ft. In. and will not cinder ...	0	8				
Dark metal, scared with <i>coal</i> ...	1	6					COAL , good	3	10				
COAL , with sulphur ...	1	1						0	4	6			
				0	3	6	In whin or ironstone				3	4	10
											0	0	1
Grey metal stone ...	3	0	8										
COAL , foul... ..	0	0	5										
				3	1	1							
Carried forward	78	5	3				Total	82	4	2			

No. 874.—FERRYHILL.

TOWNSHIP OF FERRYHILL, DURHAM.

Sheet 35 of Ordnance Map. About Lat. 54° 41' 28", Long. 1° 32' 21".

*Boring in the fifth Hole, at the East end of Ferryhill, in the third field West of
Clarence Railway. July 6th, 1836.*

Approximate surface level 465 feet above sea (Ordnance datum).

	Ft.	Ft.	In.	Ft.	Ft.	In.		Ft.	Ft.	In.	Ft.	Ft.	In.
Soil and clay... ..	0	4	0				Brought forward	11	3	0			
Soft marl	0	3	4				Blue and red metal ...	1	0	6			
Brown limestone, with soft marly partings	2	4	8				Strong red and grey post, with water ...	11	4	0			
Blue metal stone ...	0	3	2				Whin	0	2	8			
Brown post, mixed with whin near the bottom	1	0	0				Brown post	0	3	3			
Strong grey metal stone	0	1	9				Whin	0	0	6			
Red post	2	2	1				Brown post	0	1	0			
Grey metal	0	3	0				In red post, with whin girdles	3	1	1			
Red post, with part- ings	2	5	0					28	4	0			
Carried forward	11	3	0				Total	*28	4	0			

* Approximate sea level 293 feet below this.

No. 875.—FERRYHILL.

TOWNSHIP OF FERRYHILL, DURHAM.

Sheet 35 of Ordnance Map. Lat. , Long.

Boring in the seventh Hole, at Ferryhill. October 2nd, 1888.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Gravel and sand, with water at 9 feet from surface ...	4	4	0				Brought forward	2	0	0	33	3	4
Red post ...	0	2	8				Grey post ...	1	0	0			
Grey and red metal ...	0	2	9				Grey metal stone ...	0	3	8			
Black metal ...	0	0	6				COAL (burns to red ashes) ...	0	2	1			
Dark grey metal ...	0	4	4								3	5	9
Black metal ...	0	0	4				Grey metal stone ...	2	1	4			
Grey metal ...	0	1	7				White post, with whin	1	1	10			
COAL ...	0	0	7				Blue metal ...	0	0	6			
				6	4	9	Strong white post ...	0	5	7			
Grey metal stone, inclining to post, with water ...	6	1	3				Dark metal ...	0	0	7			
COAL , slaty ...	0	1	0				Grey metal stone ...	1	4	8			
				6	2	3	Grey post ...	1	1	4			
Grey metal stone ...	4	0	0				Whin ...	0	3	0			
Whin ...	0	1	6				White post ...	1	5	4			
Grey metal stone ...	1	4	10				Grey metal ...	0	0	8			
COAL ...							Black metal, scared with coal ...	0	0	6			
Grey metal ...	0	8					Grey post ...	1	2	2			
COAL , foul... ..	0	2					Whin ...	0	1	6			
				0	2	8	Strong grey metal stone, with post girdles ...	4	0	3			
				6	3	0	Strong white post, mixed with whin ...	1	0	0			
Grey metal ...	5	4	6				Strong grey metal stone or parting ...	0	1	4			
COAL , strong coarse ...							White post, mixed with whin ...	0	5	11			
COAL , foul... ..	0	4					Dark metal, with girdles ...	3	4	8			
				0	2	0	White post, mixed with whin ...	7	5	9			
				6	0	6	Grey metal stone ...	1	3	8			
Grey metal stone ...	1	2	9				Black metal, scared with coal ...	0	0	3			
Black metal stone ...	1	2	8				Hard girdle ...	0	0	1			
COAL ...	0	0	11				Grey metal ...	0	0	3			
				3	0	4	<i>Supposed Hutton Seam—</i>						
Dark metal ...	0	2	6				COAL , good strong ...						
Black metal ...	0	3	10				COAL , coarse ...	0	4	2			
Whitish grey post, mixed with whin ...	2	1	10								32	1	4
Grey and dark metal	0	5	10								1	0	0
COAL , foul... ..	0	10					Into grey metal ...						
Dark grey metal ...	0	4											
COAL , foul... ..	1	4											
				0	2	6							
				4	4	6							
Grey metal stone, with girdles ...	2	0	0										
Carried forward	2	0	0	33	3	4	Total ...				70	4	5

No. 876.—FERRYHILL.

TOWNSHIP OF FERRYHILL, DURHAM.

Sheet 35 of Ordnance Map. About Lat. 54° 40' 35", Long. 1° 33' 56".

*Boring in the eighth Hole at Ferryhill, 450 yards South of Roughlee Farm House.
October 23rd, 1838.*

Approximate surface level 450 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward	40	2	5			
Yellow and blue stony clay ...	1	5	0										
Stony limestone, with water at 8 fathoms from the surface ...	16	0	0				COAL, foul... Ft. In.	0	7				
Blue metal stone, with girdles ...	2	1	4				Grey metal, scared with coal ...	0	8				
Strong white post, mixed with whin ...	0	3	0				COAL, foul... 0 8						
Strong red post ...	0	2	3				COAL ... 0 8						
Blue metal ...	0	1	4				COAL ... 0 8						
Red post ...	0	2	7				COAL, foul... 0 7						
Strong red post ...	6	4	3					0	3	2			
Blue metal ...	0	1	4								40	5	7
Red post, mixed with whin ...	5	1	11				Grey metal ...	2	4	2			
Grey metal stone ...	2	2	0				Black metal ...	0	0	4			
Grey post ...	1	0	10				Five-Quarter Seam—						
Grey metal ...	1	0	8					Ft. In.					
Black metal stone ...	0	1	8				COAL, strong	3	0				
Grey metal ...	0	4	10				COAL, coarse	0	9				
Black metal ...	0	1	1				COAL, splint	0	7				
Grey metal ...	0	3	4						0	4	4		
Carried forward	40	2	5								3	2	10
							Grey metal ...	0	1	0			
							Into grey post ...	1	0	0			
											1	1	0
							Total ...				*45	3	5

* Approximate sea level 176½ feet below this.

No. 877.—FERRYHILL.

TOWNSHIP OF FERRYHILL, DURHAM.

Sheet 35 of Ordnance Map. Lat. , Long.

Strata bored through at Ferryhill, near to Thrislington Colliery, under the Bank before you come to Rudd's Hill.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
To Main Coal ...	25	0	1				Brought forward	12	4	1	39	0	4
Strata ...	13	5	0				Grey metal stone ...	0	2	6			
COAL ...	0	1	3				COAL—Low Main Seam ...	0	3	0			
				39	0	4					13	3	7
Grey metal ...	11	5	9				Carried forward				52	3	11
Whin ...	0	4	4										
Carried forward	12	4	1	39	0	4							

No. 877.—FERRYHILL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				52	3	11		Brought forward			59	1	11
Grey metal ...	0	3	0					Grey metal ...	1	1	3		
Strong white post ...	0	3	2					Strong white post ...	1	1	0		
Grey metal stone ...	2	3	0					Whin ...	1	0	0		
Strong grey metal								Strong post ...	0	0	10		
stone, inclining to								Whin ...	0	3	7		
post ...	1	2	0					Grey metal ...	1	0	0		
Grey metal ...	1	4	0					COAL— <i>Hutton Seam</i>	0	4	7		
COAL ...	0	0	10										
				6	4	0					5	5	3
Carried forward				59	1	11		Total ...			65	1	2

No. 878.—FERRYHILL.

TOWNSHIP OF FERRYHILL, DURHAM.

Sheet 35 of Ordnance Map. Lat. , Long.

Account of Sinking at Four Lane Ends, near the Ferryhill Turnpike Road.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Yellow clay ...	1	0	0					Brought forward			16	1	2
Stony clay ...	4	3	0					Fire clay ...	0	1	3		
Loose seggar ...	2	0	0					Blue plate ...	0	1	6		
COAL (worked) ...	0	2	0	7	5	0		Fire clay ...	0	3	0		
								White post ...	3	2	0		
Grey post ...	2	0	0					Blue plate ...	1	0	0		
Blue plate ...	6	0	0					Black metal ...	0	0	10		
Sound white post ...	0	1	6					COAL ...	0	2	0		
COAL ...	0	0	8								5	4	7
				8	2	2		Fire clay ...			0	0	10
Carried forward				16	1	2		Total ...			22	0	7

No. 879.—FERRYHILL.

TOWNSHIP OF FERRYHILL, DURHAM.

Sheet 35 of Ordnance Map. Lat. 54° 42' 25", Long. 1° 32' 42".

Bored in Mr. Boleby's Estate, on the South side of Thinford Lane, about 400 yards East from Skelton's House.

Approximate surface level 348 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and stony clay ...	2	3	0				Brought forward	2	0	0	14	0	3
Sand, with water ...	0	3	9				Black stone ...	0	0	7			
Stony clay ...	1	5	5				COAL ...	0	0	10			
Brown and grey post	1	1	6								2	1	5
Grey metal ...	0	0	6				Blue metal ...	0	3	9			
Brown and grey post	2	1	9				Black stone ...	0	0	8			
Strong grey post ...	0	1	10				COAL ...	0	0	7			
Grey metal ...	0	1	0				Blue metal ...	0	0	4			
COAL , with water...	0	2	5				Whin and grey scamy post, with water ...	0	4	5			
				9	3	2	Grey scamy stone, with post girdles ...	0	5	10			
Strong grey metal stone ...	0	1	6				A whin girdle ...	0	0	9			
Grey metal ...	1	3	0				Blue and grey metal ...	0	5	0			
Whin ...	0	0	9				Black stone ...	0	0	10			
Grey post, with water	0	1	6										
Grey metal ...	2	0	4				COAL ...	1	0				
Blue metal ...	0	0	10				Blue metal ...	0	2				
							COAL , hard	1	1				
COAL ...	0	6								0	2	3	
COAL , foul... 0 8				0	1	2							4 0 5
						4 3 1	Grey metal ...	0	1	2			
Black stone ...	0	0	4				Grey post ...	0	1	6			
Grey metal ...	0	1	0				In grey metal ...	1	4	0			
Grey scamy post ...	0	1	6								2	0	8
Grey metal ...	0	4	3										
Grey scamy post ...	0	2	9										
Grey metal ...	0	2	2										
Carried forward	2	0	0	14	0	3	Total ...				*22	2	9

Approximate surface level 213½ feet above sea (Ordnance datum).

No. 880.—FERRYHILL.

TOWNSHIP OF FERRYHILL, DURHAM.

Sheet 35 of Ordnance Map. Lat. , Long.

Second Place on the South side of Thinford Lane, 200 yards from the first.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Stone and stony clay ...	7	0	0			
				7	0	0
Total				7	0	0

No. 881.—FERRYHILL.

TOWNSHIP OF FERRYHILL, DURHAM.

Sheet 35 of Ordnance Map. Lat. 54° 42' 57", Long. 1° 32' 48".

Thinford Borehole.—Tried in the first Field to East of East Howle Farm House, and the first to West of Mill Close Field. Bored in June, 1865.

Approximate surface level 300 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil, sand, and gravel	2	3	0				Brought forward	8	0	6	7	2	3
Strong blue clay ...	4	1	0				Dark metal ...	0	1	9			
Blue metal ...	0	2	2				Fire clay ...	0	0	5			
COAL, strong ...	0	2	1								8	2	8
				7	2	3	Strong white post,						
Fire clay ...	0	3	4				with water ...	10	0	7			
Blue metal ...	0	2	3				Blue metal ...	1	1	6			
Freestone, with water	1	2	2				Fire clay ...	0	3	6			
Soft parting ...	0	1	0				Light fire clay ...	0	1	8			
Grey metal ...	0	1	10				Dark fire clay ...	0	2	3			
Dark metal ...	0	2	0								12	3	6
Grey post ...	0	3	2				Black metal ...	0	0	7			
White post, with water	2	5	6				Fire clay ...	0	3	1			
Blue metal ...	1	3	3								0	3	8
Carried forward	8	0	6	7	2	3	Total ...				*29	0	1

* Approximate sea level 213 feet below this.

No. 882.—FERRYHILL.

TOWNSHIP OF FERRYHILL, DURHAM.

Sheet 35 of Ordnance Map. Lat. , Long.

Sinking Account of East Howle Colliery. 1872 and 1873.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay	3	3	0				Brought forward	4	1	10	10	4	0
Rubble post ...	0	3	11				Stronggrey metal, with						
Marl ...	1	3	10				water ...	0	1	8			
Post ...	0	4	6				Strong grey post ...	2	4	3			
Blue metal ...	3	4	9				Black metal ...	0	3	9			
COAL—E. H. Low							White post, with water						
<i>Main</i> ...	0	2	0				(100 gals. per min.)	11	1	6			
				10	4	0	Blue metal ...	3	5	0			
Fire clay ...	0	4	6				Fire clay (inferior) ...	2	3	4			
Grey post ...	1	4	4				Grey post ...	0	1	0			
Black metal ...	0	2	0				Blue metal ...	0	4	9			
Fire clay ...	1	1	0				Grey and white post	1	2	6			
Fire clay and <i>coal</i>							Blue metal ...	3	2	0			
<i>pipes</i> ...	0	2	0										
Carried forward	4	1	10	10	4	0	Carried forward	31	1	7	10	4	0

No. 882.—FERRYHILL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	31	1	7	10	4	0		Brought forward			61	2	4
Dark blue metal band	0	0	9½					Soft fire clay	...	0	3	3	
COAL (so-called								Grey post and grey					
<i>Hutton Seam</i>)	...	0	2	7½				metal	...	2	0	0	
				31	5	0		COAL	...	0	2	7	
Dark fire clay	...	0	0	6								2	5
Coarse fire clay	...	1	2	11				Coarse fire clay	...	0	2	0	
Grey post	...	0	4	8				White post and metal					
Iron girdle	...	0	0	6				partings	...	2	0	10	
Blue metal and post								White post	...	8	5	6	
girdle	...	4	1	0				Soft blue metal	...	0	3	6	
COAL	...	0	0	6				COAL	...	0	0	6	
				6	4	1						12	0
Fire clay	...	0	2	8				Fire clay	...	0	0	9	
Grey post	...	1	2	9				Black stone	...	0	2	3	
Blue metal	...	3	2	3				COAL	...	0	1	4	
Grey post	...	0	2	0								0	4
COAL	...	0	1	6				Grey post girdle	...	0	2	0	
				5	5	2		Blue metal	...	1	0	2	
Fire clay	...	0	0	11				Dark fire clay	...	0	2	6	
COAL	...	0	0	3				Blue metal	...	0	1	4	
				0	1	2		Post	...	0	1	1	
Fire clay	...	0	2	6				Blue metal	...	0	1	6	
Blue metal	...	0	2	9				COAL	...	0	0	4	
Post	...	0	2	4								2	2
COAL	...	0	0	5½				Dark fire clay	...	0	0	10	
				1	2	0½		White post	...	0	3	9	
Fire clay	...	0	1	5½				COAL	...	0	0	7	
COAL	...	0	1	1								0	5
				0	2	6½		Fire clay	...	0	1	6	
Fire clay	...	0	1	6				Dark grey metal and					
Blue metal and post								post girdles	...	2	4	3	
girdles	...	3	4	6				Blue metal	...	0	1	0	
<i>Harvey Seam</i> (so								Badger	...	0	0	10	
<i>called</i>)—	Ft.	In.						COAL — <i>Brockwell</i>					
COAL	...	2	2					<i>Seam</i>	...	0	4	2	
Band	...	0	0½									3	5
COAL	...	0	1½										
				0	2	4							
				4	2	4							
Carried forward				61	2	4		Total	...			84	2
												8	

No. 883.—FERRYHILL.

TOWNSHIP OF FERRYHILL, DURHAM.

Sheet 35 of Ordnance Map. Lat. , Long.

Boring at East Howle Colliery from below the present Seam now working, at a point 100 yards West from the Shaft.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Seggar	...	0	2	0				Brought forward	1	0	0		
White seggar, mixed								White post girdle	...	0	1	0	
with ironstone	...	0	4	0				Grey post	...	0	1	9	
Carried forward				1	0	0		Carried forward			1	2	9

NORTHUMBERLAND AND DURHAM.

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No. 883.—FERRYHILL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	1	2	9				Brought forward	18	4	3½			
Blue metal ...	0	0	8				Grey post ...	0	2	1			
Grey post ...	1	0	0				Blue metal ...	1	2	8			
Blue metal ...	0	0	8				Black metal ...	0	0	6			
Post girdle ...	0	0	4				Blue metal ...	0	5	11			
Black metal ...	0	1	5				Black metal ...	0	5	2			
Blue metal ...	0	1	1				White post ...	0	1	6			
Post girdle ...	0	0	7				Grey post ...	0	0	10½			
Blue metal ...	0	3	5				Whin ...	0	0	10			
COAL ...	0	0	1½				Grey post ...	0	1	3			
Seggar clay ...	0	1	5				Blue metal ...	0	4	11			
Blue metal ...	0	2	1				Grey post ...	0	2	8			
White post ...	1	4	10				Whin ...	0	0	4½			
Brown post ...	0	5	1				Grey post ...	0	4	10			
Grey post ...	0	3	1				White post ...	0	0	10			
Dark metal ...	0	1	4				Blue metal ...	3	2	4½			
Black metal, mixed							Dark metal ...	0	1	6			
with coal ...	0	1	2				Black metal ...	0	0	7			
Seggar ...	0	1	0				COAL ...	0	2	7½			
White post ...	0	1	3								29	3	9½
Grey post ...	0	1	0				Grey metal thill ...	0	4	1			
White post ...	6	4	9				Grey post ...	0	1	0			
Whin ...	0	0	7								0	5	1
White post ...	3	1	8										
Carried forward	18	4	3½				Total ...				30	2	10½

No. 884.—FINDON HILL.

TOWNSHIP OF WITTON GILBERT, DURHAM.

Sheet 19 of Ordnance Map. About Lat. 54° 48' 35", Long. 1° 37' 24".

Strata of the Shaft at Findon Hill Colliery.

Approximate surface level 500 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	2				Brought forward	17	0	0	18	2	7
Clay ...	0	4	0				Grey metal ...	1	4	0			
Soft blue metal ...	2	1	0				White post ...	1	5	0			
Whinstone ...	0	3	0				Soft stone ...	0	4	0			
Freestone ...	2	0	0				Post, with whin girdles	1	4	6			
Soft blue metal ...	3	0	10				Dark post, with black						
Shield Row Seam—							stone ...	0	4	6			
COAL ...	3	5					Dark blue metal ...	4	0	0			
Seggar stone ...	0	8					Black stone, with coal	0	3	6			
COAL ...	0	6					Grey metal, with post						
				0	4	7	girdles ...	2	2	2			
						9 2 7	White post, with blue						
Dark thill stone ...	1	0	0				partings ...	3	1	0			
Strong grey metal ...	7	4	0				Blue metal ...	0	3	8			
COAL—5/4 Seam ...	0	2	0				White post ...	7	0	0			
						9 0 0	COAL, good—Main						
Strong grey metal,							Coal Seam ...	0	3	0			
with post ...	17	0	0								41	5	4
Carried forward	17	0	0	18	2	7	Carried forward				60	1	11

No. 884.—FINDON HILL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				60	1	11	Brought forward	2	3	5	60	1	11
Black stone ...	0	0	2				Strong grey metal ...	0	1	6			
Strong seggar ...	1	3	3				Post ...	0	3	0			
White post ...	1	0	0								3	1	11
Carried forward	2	3	5	60	1	11	To bottom of Sump				*63	3	10

The pumping pit has since been sunk to the *Brass Thill Seam*, 2 fathoms lower.

* Approximate sea level 118 feet below this.

No. 885.—FISHBURN.

TOWNSHIP OF FISHBURN, DURHAM.

Sheet 35/36 of Ordnance Map. Lat. , Long.

Account of the Boring in Colonel Beckwith's Property, near Fishburn, in the High Croak Land.

Approximate sea level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	0	6				Brought forward	4	0	5	48	1	3
Marly limestone, with very hard beds (a little water at 15 fathoms and a little more at 19 fathoms 3 feet) ...	23	5	6				Grey metal ...	1	0	0			
Strong white limestone ...	3	4	0				White post ...	0	3	9			
Gulley limestone ...	1	1	0				Whin ...	0	0	6			
Limestone, not very strong, with water at 32 fathoms 2 feet and a little at other places ...	9	3	0				White metal ...	0	2	6			
Marl ...	0	3	0				COAL, foul	0	0	5			
Gulley limestone ...	1	2	0								6	1	7
Strong limestone, with water ...	6	5	0				Grey metal stone, with post girdles ...	1	1	2			
Grey metal stone ...	0	1	7				White post, mixed with whin ...	2	4	3			
White limestone, with water ...	0	5	8				COAL, foul	0	0	5			
				48	1	3					3	5	10
Grey metal, with girdles ...	1	0	7				Grey metal, scared with coal ...	0	2	0			
Whin ...	1	2	0				White and red post ...	6	3	0			
White post, mixed with whin ...	0	2	7				Metal parting ...	0	0	3			
Red and grey post ...	0	1	7				Grey post ...	0	2	4			
White post ...	0	5	8				COAL ...	0	0	6			
Carried forward	4	0	5	48	1	3					7	2	1
							White post, with coal pipes ...	0	0	6			
							White post ...	0	0	10			
							COAL (burns to red ashes) ...	0	1	0			
											0	2	4
							Into grey metal stone (left off Aug. 11th, 1846) ...				0	2	0
							Total ...				66	3	1

No. 886.—FISHBURN.

TOWNSHIP OF FISHBURN, DURHAM.

Sheet 35/36 of Ordnance Map. Lat. , Long.

*Strata bored through in the third Hole in Fishburn Estate, in Miss Chilton's Quarry,
nearly one mile East of Colonel Beckwith's Boring, by George Stott,
September 7th, 1837.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brown limestone, with marly partings and water at 13 fathoms 3 feet from the top	34	3	6				Brought forward	6	5	10	50	2	4
Very white limestone	7	5	6				Grey metal and metal stone, with post gir- dles	2	0	10			
Brown limestone	1	3	0				White post, mixed with whin	0	5	9			
Strong whitelimestone, with water (bored through, April 20th, 1839)	0	2	0				Grey metal	0	3	6			
				44	2	0	Black metal	0	1	0			
Blue stone, with much water	0	1	0				Grey metal, with whin girdles	1	2	0			
Whin	0	0	6				Black metal	0	0	8			
Strong grey post	0	2	3				Grey metal, with gir- dles	0	2	3			
Grey metal	0	4	0				Dark metal, with scars of coal	0	0	6			
Red, blue, and grey metal stone, with girdles	2	3	0				Grey metal, with water	2	1	0			
Strong grey post	0	3	0				Whin (got June 13th, through June 18th)	0	0	9			
Grey metal	1	0	9				Strong grey metal stone, with girdles	1	3	4			
Black metal	0	1	3				White post, mixed with whin	0	1	10			
							Grey post	0	1	0			
COAL, foul	0	6					Dark metal	0	1	6			
Grey metal	0	2					Black metal	0	1	2			
COAL, foul	0	4					Grey and white post	0	1	3			
COAL, rather foul	0	8					Grey metal stone	0	3	0			
Grey metal band	0	1					Grey post	0	0	6			
COAL	0	10					Grey metal stone	1	2	0			
				0	2	7	Black metal	0	0	3			
				6	0	4	<i>Supposed 5/4 Seam—</i>						
Grey metal, with post girdles	0	5	0				COAL, foul	0	7				
Red post	1	0	0				COAL	1	4				
Whin (got May 3rd, through May 8th)	0	1	2				COAL, foul	0	4				
Strong red post	0	2	6				COAL, hard	2	8				
Whin	0	0	6								0	4	11
Red and grey post	0	3	0								20	2	10
Grey metal, with whin girdles	2	1	8				Grey metal stone	1	5	0			
White post, with met- al partings and whin girdles	1	4	0				Whin (got July 10th, through July 20th)	0	1	6			
							Grey metal stone	0	3	9			
							COAL, foul	0	0	8			
							Grey metal, with gir- dles	2	4	6			
							COAL	0	0	6			
Carried forward	6	5	10	50	2	4	Carried forward	5	3	11	70	5	2

No. 886.—FISHBURN.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Brought forward	5	3	11	70	5	2		Brought forward	3	2	7	103	5	11
Black metal ...	0	0	8					Grey metal ...	0	1	2			
Dark grey metal ...	0	4	0					COAL, foul ...	0	0	8			
Grey post ...	1	4	0					Light grey metal, with						
COAL ...	0	0	4					scars of coal ...	0	1	10			
Grey metal ...	2	1	7					Black metal ...	0	1	5			
Hard girdle ...	0	0	3					COAL, foul ...	0	0	10			
Grey metal stone ...	0	1	0					Grey metal ...	0	4	11			
Whin (got Aug. 29th,								COAL, foul ...	0	0	10			
through Sept. 4th)	0	1	4					Grey metal ...	0	3	3			
Strong white post,								COAL, foul ...	0	0	4			
with metal partings	0	4	5					Grey metal ...	0	1	0			
White post, mixed with								Strong grey post, with						
water ...	0	3	4					thin girdles and						
Red and grey post ...	3	1	6					metal partings ...	1	3	10			
White post ...	0	3	8					Strong white post ...	1	1	11			
COAL, strong ...	0	2	5					Grey metal ...	0	5	2			
				16	2	5		COAL, good ...	0	2	7			
Strong grey metal								COAL, foul ...	0	0	3			
stone ...	1	1	0					Grey metal, with whin						
White post ...	0	4	0					girdles ...	0	5	6			
Grey metal stone ...	1	0	9									11	2	1
COAL ...	0	1	6											
				3	1	3								
Grey metal stone ...	3	2	6					August 24th, 1840.—						
Dark blue metal ...	0	1	6					Bored further by						
Supposed Main Coal								George Stott:—						
Seam—	Ft.	In.						Strong grey metal						
COAL, good	2	4						stone ...	0	2	6			
COAL, coarse	1	2						Soft grey post ...	0	5	3			
				0	3	6		Grey metal ...	0	1	4			
Grey metal stone ...	1	5	0					Post girdle ...	0	0	4			
				0	4	3		Black metal, mixed						
				6	4	9		with coal ...	0	0	7			
Bored by William								Dark grey metal ...	0	1	6			
Coulson:—								Grey post ...	0	5	2			
Strong white post, with								Whin (got Oct. 7th,						
metallpartings ...	2	1	0					through Oct. 28th)	0	1	7			
Black metal, with some								Grey post ...	1	3	4			
scars of coal ...	0	0	10					Dark grey metal and						
Grey metal ...	0	5	0					metal stone ...	1	0	6			
Black metal, with								Grey post, with metal						
scars of coal ...	0	1	0					stone partings ...	1	0	2			
Strong white post ...	2	0	0					Strong white post,						
Strong white and grey								mixed with whin ...	0	2	8			
post, with metal								Grey post ...	0	5	6			
partings ...	1	2	6					Whin ...	0	1	1			
				6	4	4		Grey metal parting ...	0	0	6			
Blue metal ...	0	3	10					Strong white post ...	0	3	4			
Black metal, with								Dark grey metal, with						
scars of coal ...	0	0	6					post girdles ...	1	5	0			
Grey metal ...	0	5	8					Black metal ...	0	0	5			
Strong white post ...	0	1	9					Strong girdles ...	0	0	3			
Grey metal ...	0	2	4					COAL ...	0	0	7			
Whin ...	0	1	0									10	5	7
Strong white post ...	0	2	0					Grey metal and metal						
Strong grey metal ...	0	2	6					stone, with thin post						
Black metal, mixed								girdles ...	1	1	0			
with coal ...	0	1	0					Dark metal ...	0	2	2			
								Black metal ...	0	0	1			
Carried forward	3	2	7	103	5	11		COAL ...	0	0	4½			
								Carried forward	1	3	7½	126	1	7

* Supposed to be incorrect.

No. 886.—FISHBURN.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	1	3	7½	126	1	7		Brought forward	2	2	7	130	4 11½
Grey metal ...	0	5	5					Whin girdle ...	0	0	4		
COAL ...	0	0	7					Grey post ...	0	2	6		
				2	3	7½		Grey metal stone ...	0	2	5		
Grey metal ...	0	0	8					Grey metal ...	0	1	2		
Grey and white post...	0	2	6					White post, mixed					
White post, mixed								with whin ...	0	1	6		
with whin ...	0	1	5								3	4	6
White post ...	0	1	5					Grey post, with metal					
Whin ...	0	0	6					stone partings ...	0	3	10		
White post, mixed								COAL , rather foul...	0	0	7		
with whin...	0	0	4					Grey metal ...	0	2	3		
Grey metal parting ...	0	0	3					Whin ...	0	0	4		
Whin ...	0	0	5					Dark metal, with post					
Dark grey post ...	0	4	3					girdles ...	1	3	10		
				1	5	9		Dark metal, mixed					
Whin ...	0	1	3					with coal ...	0	0	7		
Strong dark grey metal stone ...	0	2	10								2	5	5
Whin girdle ...	0	0	6					COAL , with sulphur	0	1	0		
Dark grey metal stone, mixed with post ...	1	0	6					Grey metal, mixed with coal ...	0	1	6		
Dark metal ...	0	3	6					In white post ...	0	1	10		
											0	4	4
Carried forward	2	2	7 130	4 11½				Total ...			138	1	2½

No. 887.—FLATWORTH.

TOWNSHIP OF CHIRTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. 55° 0' 23", Long. 1° 29' 12".

Account of the Boring in Flatworth Ground, near Shire Moor, about 100 yards West from the Hole near the Wagonway Side. December 30th, 1765.

Approximate surface level 150 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk to the scaffold (about) ...				13	5	3		Brought forward	2	3	3	28	1 0
Box ...	4	0	0					White post, with reddish scamy metal					
Stony clay ...	6	1	6					partings and water	8	0	0		
Soft brown ramble, with water ...	0	5	3					Black metal, mixed with coal ...	0	0	4		
Soft blue grey metal	1	3	0					Red scamy metal, with girdles and water...	1	1	0		
Soft black metal ...	0	2	3					Green scamy metal stone ...	1	0	0		
				14	1	9		Blue metal ...	0	4	0		
Black stone ...	0	0	6					Black stone ...	0	0	9		
Soft black metal, with a mixture of coal...	0	3	0					Grey metal ...	0	1	6		
Soft grey metal ...	1	2	3					Grey metal stone ...	1	2	4		
Strong red and grey scamy metal ...	0	3	6					COAL , foul... ..	0	0	6		
Carried forward	2	3	3 28	1 0				Carried forward	15	1	8 28	1 0	

* Approximate sea level (Ordnance datum).

No. 886.—FISHBURN.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
brought forward	1	3	7½	126	1	7		Brought forward	2	2	7	130	4	11½
metal ...	0	5	5					Whin girdle ...	0	0	4			
... ..	0	0	7					Grey post ...	0	2	6			
				2	3	7½		Grey metal stone ...	0	2	5			
metal ...	0	0	8					Grey metal ...	0	1	2			
ad white post...	0	2	6					White post, mixed						
post, mixed								with whin ...	0	1	6			
whin ...	0	1	5								3	4	6	
post ...	0	1	5					Grey post, with metal						
... ..	0	0	6					stone partings ...	0	3	10			
post, mixed								COAL, rather foul...	0	0	7			
whin ...	0	0	4					Grey metal ...	0	2	3			
metal parting ...	0	0	3					Whin ...	0	0	4			
... ..	0	0	5					Dark metal, with post						
rey post ...	0	4	3					girdles ...	1	3	10			
				1	5	9		Dark metal, mixed						
... ..	0	1	3					with coal ...	0	0	7			
dark grey me-											2	5	5	
stone ...	0	2	10					COAL, with sulphur	0	1	0			
girdle ...	0	0	6					Grey metal, mixed with						
rey metal stone,								coal ...	0	1	6			
d with post ...	1	0	6					In white post ...	0	1	10			
metal ...	0	3	6								0	4	4	
ried forward	2	2	7	130	4	11½		Total ...			138	1	2½	

No. 887.—FLATWORTH.

TOWNSHIP OF CHIRTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. 55° 0' 23", Long. 1° 29' 12".

ent of the Boring in Flatworth Ground, near Shire Moor, about 100 yards West
from the Hole near the Wagonway Side. December 30th, 1765.

Approximate surface level 150 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
to the scaffold							Brought forward	2	3	3	28	1	0
at)				13	5	3	White post, with red-						
... ..	4	0	0				dish scamy metal						
clay	6	1	6				partings and water	8	0	0			
rown ramble	0	5	3				Black metal, mixed						
water	1	9					with coal	0	0	4			
ue grey	0						Red scamy metal, with						
ack met	3						girdles and water...	1	1	0			
				14	1	9	Green scamy metal						
ne	6						stone	1	0	0			
t m							Blue metal	0	4	0			
are	3	0					Black stone	0	0	9			
y m	2	3					Gr	0	1	6			
red								1	2	4			
m	3	6						0	0	6			
	3	3	28	1	0		rd	15	1	8	28	1	0

Approximate sea level

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No. 886.—FISHBURN.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	1	3	7½	126	1	7		Brought forward	2	2	7	130	4 11½
metal ...	0	5	5					Whin girdle ...	0	0	4		
Al. ...	0	0	7					Grey post ...	0	2	6		
				2	3	7½		Grey metal stone ...	0	2	5		
metal ...	0	0	8					Grey metal ...	0	1	2		
and white post...	0	2	6					White post, mixed					
post, mixed								with whin ...	0	1	6		
th whin...	0	1	5								3	4	6
le post ...	0	1	5					Grey post, with metal					
le ...	0	0	6					stone partings ...	0	3	10		
th whin...	0	0	4					COAL, rather foul...	0	0	7		
y metal parting	0	0	3					Grey metal ...	0	2	3		
in ...	0	0	5					Whin ...	0	0	4		
rk grey post	0	4	3					Dark metal, with post					
				1	5	9		girdles ...	1	3	10		
Whin ...	0	1	3					Dark metal, mixed					
ong dark grey me-								with coal ...	0	0	7		
tal stone ...	0	2	10								2	5	5
Whin girdle ...	0	0	6					COAL, with sulphur	0	1	0		
ark grey metal stone,								Grey metal, mixed with					
mixed with post	1	0	6					coal ...	0	1	6		
ark metal ...	0	3	6					In white post	0	1	10		
											0	4	4
Carried forward	2	2	7	130	4	11½		Total ...			138	1	2½

No. 887.—FLATWORTH.

TOWNSHIP OF CHIRTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. 55° 0' 23", Long. 1° 29' 12".

Account of the Boring in Flatworth Ground, near Shire Moor, about 100 yards West from the Hole near the Wagonway Side. December 30th, 1765.

Approximate surface level 150 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk to the scaffold							Brought forward	2	3	3	28	1	0
(about) ...				13	5	3	White post, with red-						
Box ...	4	0	0				dish scamy metal						
Stony clay ...	6	1	6				partings and water	8	0	0			
Soft brown ramble, {	0	5	3				Black metal, mixed						
with water ...	1	1	9				with coal ...	0	0	4			
Blue grey metal	1	3	0				Red scamy metal, with						
metal ...	0	2	3				girdles and water...	1	1	0			
				14	1	9	Green scamy metal						
							stone ...	1	0	0			
metal, with							Blue metal ...	0	4	0			
ars of coal							Black stone ...	0	0	9			
metal							Grey metal ...	0	1	6			
red and							Grey metal stone ...	1	2	4			
metal							COAL, foul...	0	0	6			
Carried forward							Carried forward	15	1	8	28	1	0
							(Ordnance datum).						

No. 887.—FLATWORTH.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Brought forward	15	1	8	28	1	0	Brought forward	2	2	8	55	3	7	
Greenish blue metal							White post, with mix-							
stone, with metal							ture whin girdles ...	0	5	0				
partings ...	4	5	0				Grey metal stone ...	1	2	0				
Whin lump ...	0	0	4				COAL, foul... ..	0	0	5				
Grey metal ...	1	2	9				Grey metal ...	0	3	6				
Blue and black metal	0	4	3				Greenish metal stone	1	3	0				
COAL, foul ...	0	0	3				Blue metal ...	0	3	0				
Grey and greenish							Whin ...	0	0	4				
metal ...	0	4	0				Grey metal ...	0	1	6				
Whin ...	0	3	0				Black metal, with							
Greenish grey metal							scars of coal ...	0	1	0				
stone ...	2	4	0				Blue metal ...	0	1	0				
Grey and white post,							COAL ...	0	0	6				
with scamy partings	0	5	8				Black stone ...	0	0	2				
Grey metal stone ...	0	0	4				COAL ...	0	0	3				
COAL ...	0	0	11								8	0	4	
Blue grey metal ...	0	0	2				Green and greenish							
Black danty metal,							metal stone ...	0	2	0				
mixed with coal ...	0	0	3				In white post ...	0	0	3				
				27	2	7						0	2	3
Grey metal ...	0	0	6				Total ...				64	0	2	
Grey metal stone ...	0	4	6											
Black and blue metal	0	1	0				N.B.—Rods measured							
Grey metal and metal							by M. Hall ...				50	1	3	
stone ...	1	2	8				Sinking ...				13	5	3	
Carried forward	2	2	8	55	3	7	Total ...				64	0	6	

No. 888.—FLATWORTH.

TOWNSHIP OF CHIRTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. 55° 0' 15". Long. 1° 29' 19".

Account of Strata bored through in No. 1 Hole at the West end of High Flatworth Lane. Begun July 1st, 1816; finished July 20th, 1816.

Approximate surface level 142 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward	6	0	3			
Brown gravelly clay...	1	1	0				Blue gravelly clay ...	0	1	0			
Sand, with water ...	0	2	6				Sand, with water ...	0	3	0			
Sand, with clay and							Blue gravelly clay ...	11	3	6			
water ...	0	4	6				Grey metal ...	0	0	10			
Blue gravelly clay ...	0	4	6				Blue gravelly clay ...	5	0	5			
Sand, clay, and gravel	0	2	0					1	4	6			
Gravel and clay ...	0	1	0				Brownish grey metal	1	0	6			
Whin tumblers ...	0	1	0				Black metal ...	0	2	6			
Blue gravelly clay ...	1	5	6				Left off in grey metal						
Sand and gravel ...	0	1	3				(July 20th, 1816)...	0	1	6			
											27	0	0
Carried forward	6	0	3				Total ...				27	0	0

* Approximate sea level (Ordnance datum).

No. 889.—FLATWORTH.

TOWNSHIP OF CHIRTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. 55° 0' 16", Long. 1° 29' 16".

Account of Strata bored through in No. 2 Hole at High Flatworth, 50 yards North-east from the first. Begun July 22nd, 1816; finished August 13th, 1816.

Approximate surface level 143 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward	4	5	9			
Brown clay ...	0	5	9				Blue gravelly clay ...	1	1	8			
Sand and water ...	0	3	4				Sand and clay ...	0	0	10			
Blue gravelly clay ...	0	4	0				Blue gravelly clay ...	2	5	9			
Sand ...	0	1	2				Whin tumbler ...	0	1	10			
Blue gravelly clay ...	0	4	3				Blue gravelly clay {	14	1	4			
Sand ...	0	0	10				{	0	1	2			*
Leafy clay ...	0	2	6				Dry sand ...	0	2	8			
Blue gravelly clay ...	0	5	8				Brownish grey metal						
Sand ...	0	1	3				stone ...	0	4	6			
											25	1	6
Carried forward	4	5	9				Total ...				25	1	6

* Approximate sea level (Ordnance datum).

No. 890.—FLATWORTH.

TOWNSHIP OF CHIRTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. 55° 0' 17", Long. 1° 29' 19".

Account of Strata bored through in No. 3 Hole at High Flatworth, 45 yards North-west from No. 2 Hole. Begun August 5th, 1816; finished August 13th, 1816.

Approximate surface level 145 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward	6	0	0			
Brown gravelly clay ...	1	1	8				Sand ...	0	0	10			
Sand and water ...	0	1	10				Blue gravelly clay ...	16	3	0			
Blue gravelly clay ...	0	1	6				Dry sand and broken						
Sand and water ...	0	0	9				post ...	1	0	6			
Blue gravelly clay ...	1	3	6				Black metal ...	0	1	0			
Leafy sand and clay ...	0	3	6				Left off in grey metal	0	0	6			
Blue gravelly clay ...	1	4	3								23	5	10
Carried forward	6	0	0				Total ...				*23	5	10

* Approximate sea level $1\frac{1}{8}$ feet below this.

No. 891.—FLATWORTH.

TOWNSHIP OF CHIRTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. , Long.

No. 1 Boring, made at top of Bank, at Flatworth Shore and Hayhole. Borehole East of Saugh House.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	1				Brought forward	3	1	2			
Yellow clay	1	0	5				Very strong dark brown clay, mixed with pebbles ...	0	4	6			
Dark brown clay, with blue and sandy partings	0	2	6								3	5	8
Leafy clay, intermixed with sand	1	0	9				Dark brown clay, very fine and tough ...	3	4	8			
Loose sand and gravel	0	2	5				Sand and water, mixed	0	3	2			
											4	1	10
Carried forward	3	1	2				Total				8	1	6

No. 892.—FLATWORTH.

TOWNSHIP OF CHIRTON, NORTHUMBERLAND.

Sheet 98 of Ordnance Map. Lat. , Long.

No. 2 Borehole, West of West Gears of Blyth and Tyne Railway Company's East Shipping Places.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	0				Brought forward	4	3	6	5	0	0
Pebbly yellow clay ...	1	1	4				Sand	0	1	3			
Strong dark brown clay	3	3	8				Leafy clay	0	3	3			
				5	0	0					5	2	0
Dark brown clay, with tumblers	3	3	2				Sand and leafy clay...	0	1	3			
Soft brown and light brown clay	1	0	4				Sand, with water ...	1	2	9			
											1	4	0
Carried forward	4	3	6	5	0	0	Total				12	0	0

Left off in sand, the hole having closed.

NORTHUMBERLAND AND DURHAM.

No. 893.—FLATWORTH.

TOWNSHIP OF CHILTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. , Long.

No. 3 Borehole, near Farm House, at Hayhole.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	2				Brought forward	2	4	9			
Yellow clay, with tumblers ...	0	3	4				Strong dark brown clay, with tumblers	3	2	0			
Strong dark brown pebbly clay ...	1	1	6				Dark brown clay, with sandy partings ...	1	2	6			
Sand ...	0	2	1				Dark brown leafy clay	2	1	6			
Strong dark brown clay ...	0	1	2				Sand ...	0	2	8			
Blue clay, with a mix- ture of sand ...	0	1	6										
Carried forward	2	4	9				Total ...				10	1	5

No. 894.—FLATWORTH.

TOWNSHIP OF CHILTON, NORTHUMBERLAND.

Sheet 98 of Ordnance Map. Lat. , Long.

No. 4 Borehole, near Sadler's Tile Works.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Rubbish and clay ...	0	5	0				Brought forward	5	1	2			
Dark brown clay, with tumblers and pebbles	2	4					Pebbly dark brown clay ...	1	3	0			
Sand and gravel ...	0	0	6				Light brown clay ...	2	0	7			
Strong and pebbly dark brown clay ...	1	0	3				Leafy clay ...	0	2	7			
Sand, with gravel and water ...	0	2	11								9	1	4
Carried forward	5	1	2				Total ...				9	1	4

No. 895.—FLATWORTH.

TOWNSHIP OF CHIRTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. , Long.

Sections of Boreholes in Flatworth Farm. (MEM.—Field in hard corn.)

Approximate surface level feet above sea (Ordnance datum).

No. 1 Hole.

In strong blue clay	...	...	...	...	Ft.	Ft.	In.	Ft.	Ft.	In.
								<u>4</u>	<u>3</u>	<u>0</u>

No. 896.

No. 2 Hole.

Strong blue clay, with a sipping of water	...	...	...	...	3	3	0			
In strong blue clay	...	...	...	...	1	3	0			
								<u>5</u>	<u>0</u>	<u>0</u>

No. 897.

No. 3 Hole.

Brown and blue clay	...	...	...	...	2	0	0			
Sand, with a little water, which rose slowly to within 20 inches of surface	...	...	...	...	0	1	1			
In strong blue clay	...	...	...	...	0	2	0			
								<u>2</u>	<u>3</u>	<u>1</u>

No. 898.

No. 4 Hole.

Strong blue clay	...	...	...	...	2	0	3			
Whin boulder	...	...	...	...	0	0	9			
In blue clay	...	...	...	...	2	3	6			
								<u>4</u>	<u>4</u>	<u>6</u>

No. 899.

No. 5 Hole.

Sandy clay and sipings of water	...	...	...	...	2	3	0			
In strong blue clay	...	...	...	...	0	5	6			
								<u>3</u>	<u>2</u>	<u>6</u>

No. 900.

No. 6 Hole.

Brown and blue clay	...	...	...	...	2	2	10			
Sand and a little water	0	0	8			
In strong blue clay	0	1	0			
								<u>2</u>	<u>4</u>	<u>6</u>

No. 901.

No. 7 Hole.

In brown and blue clay				<u>4</u>	<u>0</u>	<u>0</u>
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No. 902.—FLATWORTH.—CONTINUED.

No. 8 Hole.*					Fa.	Ft.	In.	Fa.	Ft.	In.
Clayey sand	0	5	6			
Sand, with water	0	0	6			
In blue clay	...	...	...	...	0	1	0			
					<u>1</u>			<u>1 1 0</u>		
No. 903.										
No. 9 Hole.										
Sandy clay	...	...	...	...	0	5	0			
In blue clay	...	...	...	...	0	4	0			
					<u>1</u>			<u>3 0</u>		
No. 904.										
No. 10 Hole.										
Sandy clay	...	...	...	...	0	2	0			
In blue clay	...	...	...	...	0	2	0			
					<u>0</u>			<u>4 0</u>		
No. 905.										
No. 11 Hole.										
Clayey sand	...	...	...	...	0	5	0			
In blue clay	...	...	...	...	0	1	0			
					<u>1</u>			<u>0 0</u>		
No. 906.										
No. 12 Hole.										
Sand and water	...	...	...	...	0	5	0			
In blue clay	...	...	...	...	0	2	0			
					<u>1</u>			<u>1 0</u>		
No. 907.										
No. 13 Hole.										
Sand and water	...	...	...	...	0	4	0			
In blue clay	...	...	...	...	0	3	0			
					<u>1</u>			<u>1 0</u>		
No. 908.										
No. 14 Hole.										
In blue clay	...	...	...	...				1	4	6
<u>1 4 6</u>										
No. 909.										
No. 15 Hole.										
Sandy clay	...	...	...	...	0	3	0			
In blue clay	...	...	...	...	0	4	0			
					<u>1</u>			<u>1 0</u>		
No. 910.										
No. 16 Hole.										
Sandy clay	...	...	...	...	0	5	0			
In blue clay	...	...	...	...	0	2	0			
					<u>1</u>			<u>1 0</u>		

* No. 8 Hole was the first hole in which water was found to the least extent. The water came to the surface, but in no great quantity.

No. 911.—FLATWORTH.

TOWNSHIP OF CHIRTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. , Long.

Boring Account of Engine Pit, at Flatworth.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk to bottom of 2nd set Bunton ...				59	3	6	Brought forward	5	1	6	71	2	0
Grey metal stone ...	2	2	10				COAL, foul—70 Fathoms Coal ...	0	1	2			
Dark grey metal ...	1	4	6								5	2	8
Whin ...	0	0	6				Grey thill ...	0	1	1			
Dark grey metal, with girdles ...	1	5	0				Grey post ...	1	2	9			
Dark blue metal ...	1	1	0				Grey metal stone ...	0	4	0			
Grey metal ...	0	5	0				White post ...	7	4	0			
Whin ...	0	1	6				Black stone ...	0	1	9			
Grey metal, with whin girdles ...	1	0	8				Grey metal, with girdles ...	1	5	3			
Post girdles ...	1	2	6				Grey metal stone ...	1	2	0			
Grey metal stone ...	0	3	9				White post, mixed in parts with whin ...	6	1	0			
Grey metal stone, with coal ...	0	1	3				Whin ...	0	5	0			
				11	4	6	White post (3rd set intended here) ...	3	1	0			
Grey metal ...	0	1	6				Black stone ...	0	0	5			
Scamy white post ...	1	2	6				Grey metal ...	0	3	2			
Grey metal, with girdles ...	0	5	0				In white post (and lost rods) ...	0	5	0			
Black stone ...	0	0	8								25	0	5
Grey metal, with girdles ...	2	3	10										
Carried forward	5	1	6	71	2	0	Total ...				101	5	1

No. 912.—FLATWORTH.

TOWNSHIP OF CHIRTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. , Long.

Sinking Account of last Borehole, Engine Pit, Flatworth.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk formerly ...				51	3	0	Brought forward				59	0	11
White post ...	3	4	6				Grey metal ...	0	0	4			
Brown metal stone ...	1	2	0				Dark grey metal ...	0	1	3			
Blue metal, with post girdles ...	2	2	11				COAL (bottom or 2nd set Bunton) ...	0	1	0			
COAL ...	0	0	6								0	2	7
				7	3	11							
Carried forward				59	0	11	Carried forward				59	3	6

No. 912.—FLATWORTH.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				59	3	6	Brought forward	7	4	10	59	3	6
Grey metal stone ...	2	2	10				White post ...	0	1	6			
Dark grey metal ...	1	4	6				Blue stone, with post						
Whin ...	0	0	6				girdles ...	0	5	10			
Dark grey metal, with							COAL , mixed with						
girdles ...	1	5	0				black stone ...	0	1	3			
Dark blue metal ...	1	1	0								9	1	5
Grey metal ...	0	3	0										
Carried forward	7	4	10	59	3	6	Total ...				68	4	11

No. 913.—FLATWORTH.

TOWNSHIP OF CHIRTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. 55° 0' 41", Long. 1° 28' 31".

Sinking Account of New Pit, Flatworth Colliery.

Approximate surface level 180 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Outset ...				0	5	0	Brought forward	1	1	6	13	2	10
Clay ...	2	4	0				Dark grey metal stone,						
Post girdles ...	0	1	6				with black stone in						
Dark grey metal stone	1	1	6				sundry places ...	2	5	6			
Black stone ...	0	3	0				COAL ...	0	1	0			
Black stone, mixed											4	2	0
with catheads ...	0	1	0				Grey thill ...	0	4	0			
Brown post ...	6	3	6				Dark grey metal, with						
Grey metal ...	1	1	0				post girdles ...	0	4	6			
COAL ...	0	0	4				Brown post— <i>Main</i>						
				12	3	10	<i>Post</i> ...	7	1	8			
Grey metal ...	0	3	0				COAL ...	1	1	0			
Post girdles ...	0	4	6								9	5	2
Carried forward	1	1	6	13	2	10	Total ...				*27	4	0

* Approximate sea level 14 feet below this.

No. 914.—FLEETHAM.

TOWNSHIP OF FLEETHAM, NORTHUMBERLAND.

Sheet 22 of Ordnance Map. Lat. _____, Long. _____

*Account of Strata bored through at Fleetham, near North Sunderland. 1857.
No. 1 Hole.*

Approximate surface level about 100 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay	1	0	6				Brought forward	9	4	3			
COAL	0	0	6										
Grey metal	7	4	0				COAL , good	1	1				
Limestone	0	5	0				Metal	0	4				
Grey metal, mixed							COAL , slaty	0	10				
with coal	0	0	3							0	2	3	
							Into grey metal stone			0	3	0	
											10	3	6
Carried forward	9	4	3				Total				10	3	6

No. 915.—FLEETHAM.

TOWNSHIP OF FLEETHAM, NORTHUMBERLAND.

Sheet 22 of Ordnance Map. Lat. _____, Long. _____

No. 2 Hole at Fleetham, near North Sunderland.

Approximate surface level about 100 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay	1	1	6				Brought forward	9	3	10			
Metal	7	1	6										
Limestone	1	0	6				COAL	1	3				
Metal	0	0	4				Metal	0	3				
							COAL	0	11				
										0	2	5	
							Into metal			0	1	0	
											10	1	3
Carried forward	9	3	10				Total				10	1	3

No. 916.—FLEETHAM.

TOWNSHIP OF FLEETHAM, NORTHUMBERLAND.

Sheet 22 of Ordnance Map. Lat. , Long.

No. 3 Hole at Fleetham, near North Sunderland.

Approximate surface level about 100 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay ...	0	5	0				Brought forward				14	0	11
Limestone ...	3	1	0				Metal ...	3	3	6			
Metal ...	1	3	0				Limestone ...	1	1	6			
Post ...	0	3	0				Metal ...	0	3	9			
Metal ...	2	1	6				COAL ...	0	0	4			
COAL ...	0	0	8				Into metal ...	0	0	11			
				8	2	2					5	4	0
Metal ...	2	0	0										
Post ...	3	3	0										
Metal ...	0	1	0										
COAL ...	0	0	9										
				5	4	9							
Carried forward				14	0	11	Total ...				19	4	11

No. 917.—FOLLEY HILL.

TOWNSHIP OF

Sheet of Ordnance Map. Lat. , Long.

Account of Strata sunk and bored through at the Folley Hill, in George Silvertop's Grounds, about 260 yards South of the Wagonway. July 26th, 1811.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Dry sand and gravel, sunk into ...	7	2	0				Brought forward	0	2	8	16	0	8½
Water, running sand, gravel, and a great quantity of tumbling stones ...	1	3	0				Black stone, mixed with scars of coal	0	4	10			
Strong clay and tumbling stones ...	6	2	5				COAL , soft black danty, as above ...	0	2	0			
Soft black metal stone	0	1	11								1	3	6
COAL , black danty, good for nothing (supposed an Onput Seam of Coal) ...	0	3	4½				[It appears that the above metals are all put on above the Main Coal.]						
				16	0	8½	Soft thill ...	0	4	0			
Soft thill and black metal stone ...	0	2	4				Strong white post ...	1	1	2			
COAL , black danty, as above ...	0	0	4				Soft black metal ...	1	1	8			
							Soft black metal, mixed with coal pipes ...	0	0	10			
Carried forward	0	2	8	16	0	8½	Very soft thill ...	1	0	2			
											4	1	10
							Carried forward				17	4	2½

No. 917.—FOLLEY HILL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	4	1	10	17	4	2½	Brought forward	5	3	3	27	2	4½
Strong white post (fit to build a wall upon)	3	1	5				Very strong white post, with whin ...	2	0	4			
COAL, soft danty, as above ...	0	0	5				Cash parting...	0	0	2			
Soft thill, mixed with metal stone ...	0	1	1				Very strong white and grey girdles ...	1	0	3			
Soft metal stone ...	0	5	1				Soft black —	0	1	3			
Blue metal stone, mixed with whin girdles 3 or 4 inches thick ...	0	2	6				Thill and grey metal	1	1	5			
Strong dun whin, very hard ...	0	0	10				Soft grey metal, with grey girdles ...	0	4	5			
White post ...	0	1	4				Very soft blue metal stone ...	1	3	9			
COAL, rather strong, might be worked in hardness (<i>supposed Main Coal</i>) ...	0	1	8				COAL (<i>supposed Crow Coal</i>) ...	0	1	7			
				9	4	2					12	4	5
Thill and soft blue metal stone ...	0	3	0				Soft thill ...	0	3	8			
COAL, soft danty, good for nothing ...	0	0	2				Soft blue stone, with ironstone ...	0	3	3			
Soft blue stone ...	0	1	3				Soft black danty stuff	0	0	6			
Strong white post, with grey girdles ...	1	2	8				Soft thill danty stuff	0	0	3			
Cash parting...	0	0	2				<i>Supposed 5¼ Seam—</i>						
Strong white post ...	1	4	8				COAL, soft thill danty	0	4				
Cash parting...	0	0	2				Soft band ...	0	5				
Strong white post, with whin girdles...	1	2	11				COAL, soft danty, good for nothing	0	6				
Cash parting...	0	0	3				COAL, rather strong ...	2	1				
										0	3	4	
Carried forward	5	3	3	27	2	4½					1	5	0
							Blue metal and grey girdles (not through)				0	5	2
							Total ...				42	4	11½

No. 918.—FORD.

TOWNSHIP OF FORD, NORTHUMBERLAND.

Sheet 10 of Ordnance Map. Lat. 55° 37' 59", Long. 2° 4' 14".

Section of Strata sunk through at Ford Colliery. Measured by J. Patrick. 1817.

Approximate surface level about 345 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Surface and freestone	13	4	1				Brought forward	0	5	4	15	4	10
Metal ...	0	3	0				Dent ...	0	0	6			
Freestone tills ...	0	5	6				COAL—Black Hill Seam ...	0	3	0			
Metal ...	0	1	6								1	2	10
Freestone ...	0	1	6				Dent ...	0	0	5			
Metal ...	0	1	0				Freestone ...	0	0	7			
COAL ...	0	0	3				Metal ...	0	1	0			
				15	4	10	Limestone ...	0	0	6			
Metal ...	0	2	0				Dent ...	0	0	8			
Limestone ...	0	3	4				Freestone ...	0	1	8			
							Metal ...	0	0	3			
Carried forward	0	5	4	15	4	10	Carried forward	0	5	1	17	1	8

NORTHUMBERLAND AND DURHAM.

No. 918.—FORD.—CONTINUED.

Brought forward		Fs.	Ft.	In.	Fs.	Ft.	In.
		0	5	1	17	1	8
Freestone	...	0	0	6			
COAL	...	0	0	9			
					1	0	4
Metal	...	0	1	6			
Freestone	...	0	2	0			
COAL	...	0	0	3			
					0	3	9
Tills	...	0	4	9			
COAL	...	0	0	9			
					0	5	6
Dent	...	0	1	6			
COAL	...	0	2	1			
					0	3	7
Tills	...	0	3	0			
COAL	...	0	0	4			
					0	3	4
Metal	...	0	0	1			
Limestone	...	0	1	4			
Tills	...	0	1	5			
Freestone	...	0	0	9			
Tills	...	0	0	7			
Limestone	...	0	0	4			
Tills	...	0	0	4			
Dent	...	0	0	3			
Tills	...	0	0	9			
COAL	...	0	0	4			
					1	0	2
Metal	...	0	2	3			
COAL	...	0	0	3			
					0	2	6
Metal	...	0	1	0			
COAL	...	1	1	0			
					1	2	0
Chalk stone	...	0	0	1			
COAL	...	0	1	3			
					0	1	4
Metal	...	0	0	7			
COAL	...	0	1	0			
					0	1	7
Chalk stone	...	0	0	1½			
COAL	...	0	0	8			
					0	0	9½
Metal	...	0	1	6			
COAL	...	0	0	6			
					0	2	0
Dent	...	0	0	3			
COAL	...	0	0	6			
					0	0	9
Tills	...	0	3	0			
COAL	...	0	0	9			
					0	3	9
Limestone	...	0	3	10			
Tills	...	0	0	10			
Freestone	...	0	0	7			
Freestone	...	0	1	7			
Carried forward		1	0	10	25	3	0½

Brought forward		Fs.	Ft.	In.	Fs.	Ft.	In.
		1	0	10	25	3	0½
Limestone	...	0	1	0			
COAL	...	0	0	1			
					1	1	11
Mawkre	...	0	0	2			
Metal	...	0	3	3			
Freestone	...	0	0	1½			
Metal	...	0	1	2½			
Freestone	...	0	0	2			
COAL	...	0	0	7			
					0	5	6
Dent	...	0	0	9			
COAL	...	0	0	5			
					0	1	2
Mawkre	...	0	0	1			
COAL	...	0	0	3			
					0	0	4
Tills	...	0	1	11			
Limestone	...	0	0	3			
Tills	...	0	0	7½			
COAL	...	0	0	1			
					0	2	10½
Chalk stone	...	0	0	1			
COAL	...	0	0	2			
					0	0	3
Metal	...	0	2	0			
Freestone	...	2	1	0			
Metal	...	0	0	1			
Freestone	...	0	2	0			
COAL	...	0	0	3			
					2	5	4
Metal	...	0	3	6			
Tills	...	0	3	4			
COAL	...	0	0	9			
					1	1	7
Freestone	...	0	2	0			
COAL	...	0	0	6			
					0	2	6
Metal	...	0	0	3			
Freestone	...	1	1	0			
COAL	...	0	0	3			
					1	1	6
Tills	...	1	3	6			
Metal	...	0	2	3			
Limestone	...	0	0	7			
Tills	...	0	3	6			
Metal	...	0	4	6			
Freestone	...	2	3	0			
COAL	...	0	0	10			
Limestone	...	0	1	0			
COAL	...	0	1	0			
Mawkre	...	0	0	1½			
COAL	...	0	1	0			
					6	3	3½
Total	...	*40 5 4½					

* Approximate sea level about 97 feet below this.

No. 919.—FORD.

TOWNSHIP OF BROOM BRIDGE, NORTHUMBERLAND.

Sheet 10 of Ordnance Map. About Lat. 55° 37' 40", Long. 2° 3' 15".

No. 1 Hole, bored at Ford, on the North-west side of the Brown (or Broom) Ridge Hill.

Approximate surface level about 500 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and sand, with a sipping of water ...	0	3	6				Brought forward	7	0	0			
Brown and blue stony clay ...	0	3	0				A soft white sandy parting ...	0	0	7			
White clay ...	0	3	0				Strong red sandy post, with grey scames...	0	4	6			
Grey sandy ramble ...	0	2	6				In brown and grey sandy post...	2	1	6			
Grey metallous stone, with brown scamy partings ...	2	0	0								10	0	7
Brown and red sandy stone, with grey sandy partings ...	3	0	0										
Carried forward	7	0	0				Total ...				10	0	7

No. 920.—FORD.

TOWNSHIP OF BROOM BRIDGE, NORTHUMBERLAND.

Sheet 10 of Ordnance Map. Lat. , Long.

No. 2 Hole, 110 yards from the first, and outset 7 fathoms of level.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and sand ...	1	0	0			
In brown and grey sandy post ...	1	3	0			
				2	3	0
Total ...	2	3	0			

No. 923.—FORD.

TOWNSHIP OF BROOM BRIDGE, NORTHUMBERLAND.

Sheet 10 of Ordnance Map. Lat. , Long.

*No. 5 Hole, bored at Ford Colliery, about 40 yards East from the fourth.
July 7th, 1739.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and brown clay...	0	4	0				Brought forward	5	4	0			
Soft greenish grey metal, with brown and black scames in it, and a small sipping of water ...	2	0	0				Grey and dun post girdles, mixed with whin ...	0	4	0			
Black metal ...	0	2	0				Red post ...	0	5	0			
Brown and grey scamy metal ...	0	1	0				Strong red post, with mixture whin girdles, with soft sandy partings ...	2	0	0			
Strong red post ...	0	3	0				In open red and grey post, with water ...	1	4	6			
Red and grey post ...	2	0	0								10	5	6
Carried forward	5	4	0				Total				10	5	6

No. 924.—FOREST BURN.

TOWNSHIP OF LEE WARD, NORTHUMBERLAND.

Sheet 53 of Ordnance Map. Lat. 55° 16' 26", Long. 1° 52' 6".

Account of the Strata at Foxton Hill Pit, Forest Burn Colliery, Parish of Rothbury.

Approximate surface level 465 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay ...	1	0	0				Brought forward	23	1	0	23	1	8
Freestone ...	14	0	0				Metal ...	0	1	0			
Metal ...	4	0	0				COAL ...	0	0	6			
Limestone (<i>Eight-Yd. Stone</i>) ...	4	0	0								23	2	6
Metal ...	0	1	0				Seggar clay ...	1	3	0			
COAL ...	0	0	8				Limestone ...	0	3	0			
				23	1	8	Seggar clay ...	1	3	0			
Metal ...	0	1	0				Impure limestone ("red stone") ...	0	3	0			
Freestone ...	14	0	0				Metal ...	2	3	0			
Metal, with balls of ironstone (<i>Brinkburn Ironstone Shale</i>) ...	6	0	0				COAL—Shilbottle Seam ...	0	2	6			
Limestone (<i>Six-Yard Stone</i>) ...	3	0	0								6	5	6
Carried forward	23	1	0	23	1	8	Freestone ...	1	1	0			
							Metal, with beds of ironstone ...	2	0	0			
											3	1	0
							Total				*56	4	8

* Approximate sea level 114½ feet below this.

No. 925.—FOULBRIDGE.

TOWNSHIP OF LEE WARD, NORTHUMBERLAND.

Sheet 53 of Ordnance Map. Lat. , Long.

Boring near Foulbridge House Lands, in Mr. Dawson's Grounds, and opposite where Foulbridge is now, and in the Plantation. July 5th, 1728.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sand and gravel, with metal and water ...	1	0	0				Brought forward	15	4	0	7	4	9
Grey metal ...	3	0	0				White post, with black and grey scames and water ...	4	0	0			
Grey post girdle ...	0	0	9				White post girdles ...	0	4	0			
Grey metal ...	2	5	0				Grey stone ...	0	1	6			
COAL , with water ...	0	5	0				Whin girdles, with black scames and water ...	1	1	0			
				7	4	9	White post, with black scames ...	2	0	0			
Grey metal ...	0	2	0				Grey metal, with water	2	3	0			
Grey and white post girdles ...	1	0	0				Grey metal, with post girdles and water...	3	5	0			
Whin ...	0	1	0				COAL ...	0	0	9			
Grey metal and post girdles ...	1	0	0								30	1	3
Grey and black stone, mixed with coal and water ...	4	3	0				Black and grey stone, with water ...	2	0	0			
Grey metal ...	1	0	0				COAL ...	0	2	0			
White post and water	0	3	0								2	2	0
White post, mixed with whin ...	0	1	0				Slate ...	0	0	2			
White post, with water	6	0	0				COAL , with water...	0	2	8			
							Grey thill ...	0	1	0			
											0	3	10
Carried forward	15	4	0	7	4	9	Total ...				40	5	10

No. 926.—FOURSTONES.

TOWNSHIP OF FOURSTONES, NORTHUMBERLAND.

Sheet 84 of Ordnance Map. Lat. 55° 0' 16", Long. 2° 10' 33".

Account of Strata sunk through in First Pit, Fourstones Colliery.

Approximate surface level 180 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Outset soil and clay...	1	0	0				Brought forward	14	2	11			
Brown post ...	3	3	0				Blue stone ...	9	3	0½			
Rotten stone ...	0	1	9½				Limestone ...	2	2	10			
Brown post ...	0	3	1½				Grey beds ...	0	1	2			
Blue stone, with post girdles ...	0	4	10½				Scamy white post ...	3	2	0½			
Blue stone ...	5	0	0					6	2	2			*
Brown post ...	3	2	1½				COAL ...	0	3	10			
											37	0	0
Carried forward	14	2	11				Total ...				*37	0	0

* Approximate sea level (Ordnance datum).

H

No. 927.—FRAMWELLGATE.

TOWNSHIP OF FRAMWELLGATE, DURHAM.

Sheet 20 of Ordnance Map. Lat. , Long.

An Account of Boring at Framwellgate Head. Begun February 18th, 1815.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil, clay, &c. ...	1	0	0				Brought forward				15	3	11
Strong white freestone ...	2	0	0				Thill ...	0	0	6			
Mixed rubbishy stone ...	0	3	0				Grey post ...	0	1	10			
Brown and white free- stone ...	3	0	0				Grey metal ...	0	1	3			
Freestone, mixed with coal pipes... ..	0	2	9				Post ...	0	1	6			
COAL	0	2	6				Metal ...	0	1	0			
				7	2	3	White post ...	0	1	2½			
Thill of pipe clay ...	0	1	6				Soft metal ...	0	0	6			
White freestone ...	1	4	7				Post ...	0	1	0			
Blue metal ...	0	0	8				Hard post, with water	0	1	9			
Post girdle ...	0	0	7				Post ...	0	0	10			
Metal ...	1	4	4				Metal ...	1	3	7			
Post ...	0	5	6				Post ...	0	2	2½			
Metal ...	0	5	1				Metal ...	0	2	1½			
Post ...	0	1	3				Post ...	0	0	7			
Metal ...	1	0	10				Metal ...	0	4	8			
Post ...	0	0	9				Hard post ...	0	0	10			
COAL	0	1	0	7	2	1	Post ...	0	0	10			
							Metal ...	0	0	2			
Thill ...	0	3	6				Post ...	0	0	7			
Post ...	0	0	2				Metal, with post	0	0	11			
Metal ...	0	0	3				COAL	0	3	9			
Dark grey post ...	0	1	2								6	1	7½
COAL	0	0	6										
				0	5	7							
Carried forward				15	3	11	Total ...				21	5	6½

No. 928.—FRAMWELLGATE.

TOWNSHIP OF FRAMWELLGATE, DURHAM.

Sheet 20 of Ordnance Map. Lat. , Long.

Strata bored through in Framwellgate Moor Royalty, about 500 yards West of the Newcastle Road. Begun July 10th, 1837.

Approximate sea level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brown clay and sand ...	1	3	0				Brought forward				4	2	2
Brown freestone ...	2	3	0				Grey metal ...	0	2	3			
COAL , with water at the bottom ...	0	2	2				Grey metal stone ...	2	1	1			
				4	2	2	Brown post ...	0	3	4			
							Grey metal ...	0	3	1			
Carried forward				4	2	2	Carried forward	3	3	9	4	2	2

No. 928.—FRAMWELLGATE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	3	3	9	4	2	2	Brought forward				30	1	8
Black stone, with water ...	0	1	11				Grey metal, with post girdles and water...	1	4	0			
Grey metal, with post girdles and water...	12	0	1				Blue metal, with coal pipes ...	0	5	1	2	3	1
Brown and white post, with metal partings	6	2	6				Grey metal, with post girdles ...	2	0	1			
White post ...	1	2	8				White post, with water ...	3	3	8			
Grey metal stone, with water ...	0	4	2				Grey metal ...	1	0	0			
White post ...	0	1	3				COAL ...	0	2	4	7	0	1
COAL ...	0	1	10				Grey metal, with post girdles and water...	5	4	5			
				25	0	2	COAL ...	0	4	4	6	2	9
Grey metal ...	0	5	1										
COAL ...	0	0	3				Total ...				46	1	7
				0	5	4							
Carried forward				30	1	8							

No. 929.—FRAMWELLGATE.

Sheet 20 of Ordnance Map. Lat. about 54° 47' 59", Long. 1° 34' 49".

TOWNSHIP OF FRAMWELLGATE, DURHAM.

*An Account of Strata sunk through in the Framwellgate Moor Old Pit.
Begun January 5th, 1838.*

Approximate surface level 300 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	0	6				Brought forward	18	4	0			
Sandy brown clay ...	2	5	6				Loamy sand, with water	0	5	0			
Sand, with water, very quick	4	0	0				Strong black clay, rather soily ...	4	2	0			
Blue loamy clay, mixed with sand in some parts	2	2	0				Marly freestone, with water (46·50 gallons per hour) ...	0	4	0			
Sand, light coloured and mixed with coal of different descriptions	3	3	6				Soft grey metal ...	0	2	0			
Sand, with water, very quick	2	0	0				Soft black metal ...	0	0	3			
Loamy clay, with sandy partings	0	2	6				COAL — <i>Low Main Seam</i>	0	2	7			
Loamy sand, with water, very quick ...	0	5	0								25	1	10
Brown leafy clay, with sandy partings and water	2	3	0				Black metal, with scares of coal and water	0	2	6			
Carried forward	18	4	0				Soft grey metal ...	0	3	4			
							Grey metal, with white post girdles ...	0	3	0			
							Carried forward	1	2	10	25	1	10

No. 930.—FRAMWELLGATE.—CONTINUED.

Brought forward				Fs.	Ft.	In.	Fs.	Ft.	In.
				14	5	10	62	3	5½
<i>Busty Bank Seam—</i>									
			Ft.	In.					
COAL	...	2	2						
Band	...	0	2						
COAL	...	0	5						
Band	...	0	3						
COAL	...	2	10						
				0		5	10		
						15	5	8	
<i>Bored (July 8th, 1845):—</i>									
Grey metal	...	...	0	1	1				
COAL, foul	...	...	0	1	6				
					0	2	7		
Grey post	...	...	0	2	0				
COAL, foul	...	...	0	0	8				
					0	2	8		
Grey metal stone	...	6	1	10					
Black stone	...	...	0	3	2				
Grey metal	...	...	0	0	4				
Grey post	...	...	0	0	10				
Carried forward				7	0	2	79	2	4½

Brought forward				Fs.	Ft.	In.	Fs.	Ft.	In.
				7	0	2	79	2	4½
Grey metal	...	...	3	1	6				
Grey post	...	...	0	3	0				
Grey metal stone	...	...	0	2	9				
Dark metal	...	...	0	0	9				
COAL, slaty	...	...	0	1	4				
					11	3	6		
Grey metal stone	...	5	0	0					
White post	...	2	0	0					
Black parting	...	0	0	8					
Grey post	...	...	0	2	6				
Grey metal stone	...	2	1	2					
Grey post	...	1	5	0					
Grey metal stone	...	2	3	0					
Grey post	...	12	3	0					
Dark metal	...	0	0	2					
COAL	...	...	0	1	4				
					26	4	10		
Black stone	...	...	0	0	2				
Grey metal	...	...	1	1	8				
Grey post	...	...	0	4	0				
					1	5	10		
Total				...	...	119	4	6½	

No. 931.—FRAMWELLGATE.—CONTINUED.

Brought forward				Fs.	Ft.	In.	Fs.	Ft.	In.
				34	4	10			
Grey post ...	...	...	...	1	0	8			
White post ...	...	...	...	0	2	0			
COAL, foul ...	...	...	...	0	1	0			
Grey post ...	...	...	...	0	1	0			
White post ...	...	...	...	1	1	6			
Grey metal ...	...	...	...	1	1	6			
White post, with water	...	...	...	0	5	0			
Grey post, with metal	...	...	...	1	2	2			
partings ...	...	...	...	0	1	6			
COAL ...	...	...	...				6	4	4
Grey metal ...	...	...	...	2	2	0			
Grey metal, with scares	...	...	...	2	1	2			
of coal ...	...	...	...	0	1	4			
Black metal ...	...	...	...	0	1	0			
Grey metal ...	...	...	...	0	4	3			
Grey post, with metal	...	...	...	1	1	6			
partings ...	...	...	...	2	5	2			
Grey metal, with scares	...	...	...	3	5	0			
of coal ...	...	...	...	0	1	8			
Grey metal ...	...	...	...				13	5	1
Grey metal, with post	...	...	...	1	1	9			
girdles ...	...	...	...	0	2	6			
COAL ...	...	...	...	0	1	0			
							1	5	3
Grey metal, with post	...	...	...	2	4	6			
girdles ...	...	...	...	0	1	6			
Black metal ...	...	...	...	0	1	0			
Grey metal, with post	...	...	...	1	1	3			
girdles ...	...	...	...	1	5	0			
Dark grey metal, with	...	...	...	1	2	3			
scares of coal ...	...	...	...	0	2	0			
Grey post ...	...	...	...				7	5	6
Strong grey post ...	...	...	...	7	5	6	57	1	6
Carried forward	...	...	...	7	5	6	57	1	6
							2	2	3
Grey metal, with post	...	...	...	2	2	0			
girdles ...	...	...	...	0	2	2			
Strong white post ...	...	...	...	1	1	10			
Grey metal ...	...	...	...	0	2	0			
COAL, foul ...	...	...	...				2	2	3
Grey metal, with post	...	...	...	2	2	0			
girdles ...	...	...	...	0	2	0			
Grey post ...	...	...	...	0	0	5			
Whin girdles ...	...	...	...	1	3	0			
Strong white post ...	...	...	...	0	0	3			
COAL ...	...	...	...	2	5	0			
Grey metal stone ...	...	...	...	0	2	2			
COAL ...	...	...	...				7	2	10
Grey metal ...	...	...	...	0	2	9			
Strong white post ...	...	...	...	0	3	6			
Grey post, with metal	...	...	...	1	4	6			
partings and water	...	...	...	0	1	2			
COAL, mixed with	...	...	...	0	4	9			
metal at the bottom	...	...	...	5	4	3			
Grey metal and metal	...	...	...				10	2	10½
stone ...	...	...	...				88	0	9½
Strong white post,	...	...	...			
mixed with whin	...	...	...			
metal and water ...	...	...	...			
Supposed Beaumont	...	...	...			
Seam—	...	...	...			
COAL ...	...	...	...	2	4½				
Band ...	...	...	...	0	3				
COAL ...	...	...	...	2	10				
							0	5	5½
Into grey mild ...	...	...	...				0	0	6
Total ...	...	...	...				10	2	10½
							88	0	9½

* Approximate sea level (Ordnance datum).

No. 932.—FRAMWELLGATE.

TOWNSHIP OF FRAMWELLGATE, DURHAM.

Sheet 19 of Ordnance Map. Lat. 54° 48' 1", Long. 1° 35' 47".

*Account of Strata sunk through in the Cator House or Dryburn Grange Pit,
Framwellgate Colliery.*

Approximate surface level 300 feet above sea (Ordnance datum).

				Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	...	...	...	0	0	6			
Sandy clay ...	...	...	...	1	3	0			
Clay ...	...	...	...	0	2	6			
Carried forward	...	...	...	2	0	0			
							2	0	0
Brought forward	...	...	...	2	3	6			
Blue clay ...	...	...	...	0	4	0			
Sand ...	...	...	...				5	1	6
Carried forward	...	...	...			

No. 930.—FRAMWELLGATE.—CONTINUED.

Brought forward				Fa.	Ft.	In.	Fa.	Ft.	In.
				14	5	10	62	3	5½
<i>Basty Bank Seam—</i>									
			Ft.	In.					
COAL	—	2	2						
Band	—	0	2						
COAL	—	0	5						
Band	—	0	3						
COAL	—	2	10						
				0		5	10		
								15 5 8	
<i>Bored (July Stk., 1845):—</i>									
Grey metal	...	0	1	1					
COAL, foul	—	0	1	6					
						0		2	7
Grey post	...	0	2	0					
COAL, foul	...	0	0	8					
						0		2	8
Grey metal stone	...	6	1	10					
Black stone	...	0	3	2					
Grey metal	...	0	0	4					
Grey post	...	0	0	10					
						7			
						0		2 8	
<i>Brought forward</i>									
						7		0 2 79 2 4½	
<i>Brought forward</i>									
						7		0 2 79 2 4½	
<i>Brought forward</i>									
						7		0 2 79 2 4½	
<i>Brought forward</i>									
						7		0 2 79 2 4½	
<i>Brought forward</i>									
						7		0 2 79 2 4½	
<i>Brought forward</i>									
						7		0 2 79 2 4½	
<i>Brought forward</i>									
						7		0 2 79 2 4½	
<i>Brought forward</i>									
						7		0 2 79 2 4½	
<i>Brought forward</i>									
						7		0 2 79 2 4½	
<i>Brought forward</i>									
						7		0 2 79 2 4½	
<i>Brought forward</i>									
						7		0 2 79 2 4½	
<i>Brought forward</i>									
						7		0 2 79 2 4½	
<i>Brought forward</i>									
						7		0 2 79 2 4½	
<i>Brought forward</i>									
						7		0 2 79 2 4½	
<i>Brought forward</i>									
						7		0 2 79 2 4½	
<i>Brought forward</i>									
						7		0 2 79 2 4½	
<i>Brought forward</i>									
						7		0 2 79 2 4½	
<i>Brought forward</i>									
						7		0 2 79 2 4½	
<i>Brought forward</i>									
						7		0 2 79 2 4½	
<i>Brought forward</i>									
						7		0 2 79 2 4½	
<i>Brought forward</i>									
						7		0 2 79 2 4½	
<i>Brought forward</i>									
						7		0 2 79 2 4½	
<i>Brought forward</i>									
						7		0 2 79 2 4½	
<i>Brought forward</i>									
						7		0 2 79 2 4½	
<i>Brought forward</i>									
						7		0 2 79 2 4½	
<i>Brought forward</i>									
						7		0 2 79 2 4½	
<i>Brought forward</i>									
						7		0 2 79 2 4½	
<i>Brought forward</i>									
						7		0 2 79 2 4½	
<i>Brought forward</i>									
						7		0 2 79 2 4½	
<i>Brought forward</i>									
						7		0 2 79 2 4½	
<i>Brought forward</i>									
						7		0 2 79 2 4½	
<i>Brought forward</i>									
						7		0 2 79 2 4½	
<i>Brought forward</i>									
						7		0 2 79 2 4½	
<i>Brought forward</i>									
						7		0 2 79 2 4½	
<i>Brought forward</i>									
						7		0 2 79 2 4½	
<i>Brought forward</i>									
						7		0 2 79 2 4½	
<i>Brought forward</i>									
						7		0 2 79 2 4½	
<i>Brought forward</i>									
						7		0 2 79 2 4½	
<i>Brought forward</i>									
						7		0 2 79 2 4½	
<i>Brought forward</i>									
						7		0 2 79 2 4½	
<i>Brought forward</i>									
						7		0 2 79 2 4½	
<i>Brought forward</i>									
						7		0 2 79 2 4½	
<i>Brought forward</i>									
						7		0 2 79 2 4½	
<i>Brought forward</i>									
						7		0 2 79 2 4½	
<i>Brought forward</i>									
						7		0 2 79 2 4½	
<i>Brought forward</i>									
						7		0 2 79 2 4½	
<i>Brought forward</i>									
						7		0 2 79 2 4½	
<i>Brought forward</i>									
						7		0 2 79 2 4½	
<i>Brought forward</i>									
						7		0 2 79 2 4½	
<i>Brought forward</i>									
						7		0 2 79 2 4½	
<i>Brought forward</i>									
						7		0 2 79 2 4½	
<i>Brought forward</i>									
						7		0 2 79 2 4½	
<i>Brought forward</i>									
						7		0 2 79 2 4½	
<i>Brought forward</i>									
						7		0 2 79 2 4½	
<i>Brought forward</i>									
						7		0 2 79 2 4½	
<i>Brought forward</i>									
						7		0 2 79 2 4½	
<i>Brought forward</i>									
						7		0 2 79 2 4½	
<i>Brought forward</i>									
						7		0 2 79 2 4½	
<i>Brought forward</i>									
						7		0 2 79 2 4½	
<i>Brought forward</i>									
						7		0 2 79 2 4½	
<i>Brought forward</i>									
						7		0 2 79 2 4½	
<i>Brought forward</i>									
						7		0 2 79 2 4½	
<i>Brought forward</i>									
						7		0 2 79 2 4½	
<i>Brought forward</i>									
						7		0 2 79 2 4½	
<i>Brought forward</i>									
						7		0 2 79 2 4½	
<i>Brought forward</i>									
						7			

No. 931.—FRAMWELLGATE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
	34	4	10			
Brought forward						
Grey post ...	1	0	8			
White post ...	0	2	0			
COAL, foul ...	0	1	0			
Grey post ...	0	1	0			
White post ...	1	1	6			
Grey metal ...	1	1	6			
White post, with water	0	5	0			
Grey post, with metal						
partings ...	1	2	2			
COAL ...	0	1	6			
				6	4	4
Grey metal ...	2	2	0			
Grey metal, with scares						
of coal ...	2	1	2			
Black metal ...	0	1	4			
Grey metal ...	0	1	0			
Grey post, with metal						
partings ...	0	4	3			
Grey metal, with scares						
of coal ...	1	1	6			
Grey metal ...	2	5	2			
Grey metal, with post						
girdles ...	3	5	0			
COAL ...	0	1	8			
				13	5	1
Strong white post ...	1	1	9			
Grey metal ...	0	2	6			
COAL ...	0	1	0			
				1	5	3
Grey metal, with post	2	4	6			
girdles ...	0	1	6			
Black metal ...	0	1	0			
Grey metal, with post						
girdles ...	1	1	3			
Dark grey metal, with						
scares of coal ...	1	5	0			
Grey post ...	1	2	3			
Strong grey post ...	0	2	0			
Carried forward	7	5	6	57	1	6
Brought forward	7	5	6	57	1	6
Grey metal, with post						
girdles ...	2	3	0			
COAL, foul ...	0	0	10			
				10	3	4
Grey metal, with post						
girdles ...	0	2	2			
Strong white post ...	0	2	3			
Grey metal ...	1	1	10			
COAL, foul ...	0	2	0			
				2	2	3
Grey metal, with post						
girdles ...	2	2	0			
Grey post ...	0	2	0			
Whin girdles ...	0	0	5			
Strong white post ...	1	3	0			
COAL ...	0	0	3			
Grey metal stone ...	2	5	0			
COAL ...	0	2	2			
				7	2	10
Grey metal ...	0	2	9			
Strong white post ...	0	3	6			
Grey post, with metal						
partings and water	1	4	6			
COAL, mixed with						
metal at the bottom	0	1	2			
Grey metal and metal						
stone ...	0	4	9			
Strong white post,						
mixed with whin						
metal and water ...	5	4	3			
Supposed Beaumont						
Seam—						
COAL ...	2	4	½			
Band ...	0	3				
COAL ...	2	10				
				0	5	5½
Into grey mild ...	0	0	6			
				10	2	10½
Total ...				88	0	9½

* Approximate sea level (Ordnance datum).

No. 931.—FRAMWELLGATE.

TOWNSHIP OF FRAMWELLGATE, DURHAM.

Lat. 54° 48' 1", Long. 1° 35' 47".

in the Calve House or Dryburn Grange Pit,

(Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	2	0	0			
...	2	3	6			
...	0	4	0			
Carried forward	5	1	6			

No. 932.—FRAMWELLGATE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	5	1	6				Brought forward	6	2	0	46	1	9
Gravel ...	0	2	0				Grey post ...	1	4	0			
Sand ...	0	3	0				COAL ...	0	0	6			
Grey metal ...	5	5	6								8	0	6
Grey whin ...	0	0	5				Grey metal and post						
Grey metal and post							girdles ...	2	1	6			
girdles ...	0	1	8				COAL ...	0	0	6			
Post girdles ...	0	1	2								2	2	0
Blue metal ...	0	1	8				Grey metal and post...	7	4	0			
Post girdles ...	0	0	6				COAL ...	0	0	3			
Blue metal ...	1	5	7								7	4	3
Brown post ...	0	4	0				Metal stone ...	1	0	0			
Blue metal and post							Grey post ...	0	3	0			
girdles ...	0	4	0				COAL—Harvey Seam	0	2	0			
Blue metal ...	2	2	8								1	5	0
Strong metal and post	6	0	0				Grey metal ...	2	0	0			
COAL ...	0	0	2				Grey post ...	2	0	0			
				24	3	10	White post ...	1	5	0			
Strong white post ...	2	2	10				COAL ...	0	1	2			
Black stone ...	0	0	6								6	0	2
COAL—Low Main							Grey metal ...	1	4	0			
<i>Seam</i> ...	0	2	2				Grey post ...	5	0	0			
				2	5	6	White post whin ...	4	0	0			
Clay ...	0	2	4				Grey and white post...	1	2	10			
Black sooty clay ...	0	2	0				<i>Busty Seam—</i> Ft. In.						
Grey metal and post							COAL, good 1 10						
girdles ...	5	2	6				Band ... 0 7½						
Post girdles ...	1	0	0				COAL, good 2 0						
Blue metal ...	0	4	0								0	4	5½
Black stone ...	0	2	0								12	5	3½
COAL—Brass Thill													
<i>Seam</i> ...	0	2	7				Total ...				85	0	11½
				8	3	5							
Black stone ...	1	0	10				<i>Bored from the Busty</i>						
COAL ...	0	0	8				<i>to the Brockwell</i>						
				1	1	6	<i>Seam:—</i>						
Thill stone ...	0	4	6				Seggar stone...	0	2	0			
Grey metal and post							Grey post ...	0	3	0			
girdles ...	2	2	1				Grey metal ...	0	1	6			
Brown whin ...	0	2	0				COAL ...	0	0	8			
Grey metal ...	0	5	0								1	1	2
Brown post ...	0	2	10				Grey metal ...	1	3	0			
Grey metal and iron-							Whin stone ...	0	1	6			
stone girdles ...	0	5	8				Grey metal ...	4	1	4			
<i>Hutton Seam—</i> Ft. In.							COAL, splint ...	0	1	8			
COAL ... 3 2											6	1	6
COAL, coarse 0 4							Soft seggar (gas and						
				0	3	6	water) ...	0	2	6			
				6	1	7	Grey metal and post						
Black stone ...	0	0	11				girdles ...	3	0	0			
Seggar ...	0	4	0				COAL ...	0	0	2			
Grey metal ...	0	8	0								3	2	8
Black stone ...	0	1	0				Seggar stone ...	0	0	8			
COAL ...	0	2	0				Black stone ...	0	0	2			
				2	3	11	Grey post ...	2	5	0			
Grey metal and post							White post ...	0	2	6			
girdles ...	2	3	9				Grey metal and post						
							girdles ...	2	0	0			
Carried forward	6	2	0	46	1	9	Carried forward	5	2	4	96	0	3½

* Approximate sea level (Ordnance datum).

No. 932.—FRAMWELLGATE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	5	2	4	96	0	3½	Brought forward	15	1	6	96	0	3½
White post ...	0	1	0				Black stone ...	0	0	6			
Grey metal and post girdles ...	1	0	4				Seggar stone ...	0	1	6			
Grey metal ...	1	0	8				Blue metal ...	1	0	0			
White post ...	0	3	0				Post stone ...	1	4	6			
Black stone ...	0	0	8				Grey metal ...	0	4	0			
Grey metal and post girdles ...	0	1	3				Whin stone ...	0	2	0			
Grey metal ...	1	0	0				Grey metal ...	1	0	0			
Whin stone, mixed with post ...	0	2	0				Post stone ...	0	0	9			
Black stone ...	0	0	10				Grey metal and post girdles ...	1	0	0			
Seggar stone ...	0	2	5				Blue metal ...	0	2	9			
Post ...	0	3	0				Black stone ...	0	0	9			
Grey metal ...	1	4	0				COAL ...	0	0	6			
Post stone ...	0	4	0				Seggar stone ...	0	2	0			
Grey post ...	2	0	0				White post stone ...	2	2	11			
											24	5	8
Carried forward	15	1	6	96	0	3½	Total ...				120	5	11½

No. 933.—FRANKLAND.

TOWNSHIP OF FRAMWELLGATE, DURHAM.

Sheet 20 of Ordnance Map. Lat. 54° 48' 0", Long. 1° 32' 35".

Account of Strata sunk and bored through in Frankland Park Pit, belonging to the Earl of Durham. 1840.

Approximate surface level 150 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Ontset ...	0	4	6				Brought forward				19	0	5
Brown sandy soil ...	0	1	3				Bored :—						
Sand, with a little water ...	0	4	3				Black stone ...	0	4	8			
Fine loamy clay ...	4	3	4				COAL ...	0	1	9			
Strong stony clay ...	2	1	6								1	0	5
Brown freestone ramble	2	3	2				Thill stone ...	0	1	6			
Pudding stone (resembling gravel) ...	0	0	10				Brown stone ...	0	2	4			
Light blue stone ...	1	1	6				Blue stone ...	0	1	6			
Grey metal, jointy ...	1	4	5				COAL ...	0	0	7			
COAL (leader of a dyke downcast to the North) ...	0	0	3								0	5	11
				14	1	0	Grey thill stone ...	0	1	7			
Soft thill stone ...	0	4	0				Blue stone ...	0	5	7			
Grey metal stone ...	1	1	3				Grey metal stone ...	1	1	1			
Brown freestone (foundation) ...	3	0	2				Post stone (set away the water) ...	1	3	0			
				4	5	5					0	3	1
Carried forward				19	0	5	Blue stone ...	2	2	10			
							COAL—Hutton Seam ...	0	4	6			
											7	3	8
							Total ...				28	4	5

TOWNSHIP OF FRAMWELLGATE, DURHAM.

Sheet 20 of Ordnance Map. Lat. , Long.

An Account of Strata sunk through in the Frankland Pit.

Approximate surface level feet above sea (Ordinance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brown sandy soil ...	0	1	3				Brought forward	0	1	7	20	2	3
Sand, with a little water ...	0	4	3				Blue stone ...	0	5	7			
Loamy clay ...	4	3	4				Grey metal ...	1	1	1			
Strong stony clay ...	2	1	6				Strong post stone ...	2	0	10			
Brown freestone ramble	2	3	2				Blue stone ...	1	2	8			
Pudding stone (resembling gravel) ...	0	0	10				Post girdle ...	0	0	4			
Light blue stone ...	1	1	6				Blue stone ...	0	0	5			
Grey metal, jointy ...	1	4	5				Post girdle ...	0	0	3			
COAL ...	0	0	3				Blue stone ...	0	0	4			
				13	2	6	Grey post girdle ...	0	0	5			
Soft thill stone ...	0	4	0				Blue stone ...	0	3	2			
Grey metal stone ...	1	1	3				<i>Hutton Seam—</i> Ft. In.						
Brown freestone ...	3	0	2				COAL ...	3	11				
Blue stone ...	0	4	8				COAL, bottom ...	0	11				
COAL ...	0	1	9							0	4	10	
				5	5	10							7 3 6
Thill stone ...	0	1	6				Thill stone ...	0	3	6			
Brown cashy stone ...	0	2	4				Post ...	1	4	6			
Blue stone ...	0	1	6				Dark blue stone ...	0	3	4			
COAL ...	0	0	7								2	5	4
				0	5	11	COAL ...	0	0	1			
Grey thill stone ...	0	1	7				Thill stone ...	0	2	0			
											0	2	1
Carried forward	0	1	7	20	2	3	Total ...				31	1	2

TOWNSHIP OF FRAMWELLGATE, DURHAM.

Sheet 20 of Ordnance Map. Lat. , Long.

Account of Strata in No. 1 Borehole in the Frankland Estate. July 11th, 1842.

Approximate surface level feet above sea (Ordnance datum).

[illegible]

No. 936.—FRANKLAND.

TOWNSHIP OF FRAMWELLGATE, DURHAM.

Sheet 20 of Ordnance Map. Lat. Long.

No. 2 Borehole, West of No. 1, in the Frankland Estate. July 12th, 1942.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Loamy sand ...	0	2	0				Brought forward				7	1	5
COAL ...	0	0	6				COAL ...	4	0				
				0	2	6	Metal band ...	0	3				
Grey metal stone ...	1	0	0				COAL , coarse						
Grey post ...	1	3	0				brassy ...	1	4				
Metal stone, with post										0	5	7	
girdles ...	1	4	6				Into grey metal ...				0	2	0
Dark metal ...	2	3	5										
				6	4	11	Total ...				8	3	0
Carried forward				7	1	5							
Descent to West Borehole ...													
Do. more to River Wear ...													
Depth of Brasside Pit, from surface to bottom of <i>Hutton Seam</i>													
Do. Frankland Pit, do. do.													
Do. Frankland Engine Pit do. do.													

No. 937.—FRANKLAND.

TOWNSHIP OF FRAMWELLGATE, DURHAM.

Sheet 20 of Ordnance Map. Lat. , Long.

An Account of Strata sunk through at Frankland Engine Pit.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Loose metal, with large							Brought forward	0	1	10	3	1	7
stones ...	3	0	6				Dark blue stone ...	2	0	2			
COAL , coarse ...	0	1	1				COAL ...	0	0	10			
				3	1	7					2	2	10
Thill stone ...	0	1	10				Carried forward				5	4	5
Carried forward	0	1	10	3	1	7							

Brought forward	Fs.	Ft.	In.	Fs.	Ft.	In.
Thill stone	0	2	8			
COAL	0	0	8			
	<hr/>			0	3	4
Thill stone	0	1	8			
Blue stone, with iron girdles	0	4	8			
Metal stone, with post girdles	2	2	3			
Post stone	2	2	3			
	<hr/>					
Carried forward	5	4	10	6	1	9

Brought forward	Fs.	Ft.	In.	Fs.	Ft.	In.
	5	4	10	6	1	9
COAL , good			Ft. In. 2 10			
COAL			0 10			
	<hr/>			0	3	8
						6 2 6
Thill stone			0 1 0			
Post stone, much bro- ken with trouble ...	1	5	4			
Blue stone	1	4	0			
Grey metal	2	2	0			
	<hr/>					6 0 4
Total				18	4	7

TOWNSHIP OF FRAMWELLGATE, DURHAM.

Strata sunk through at the Staple, at Frankland Colliery. 1861.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.
Dry sand	0	5	0				Brought forward			
Sand, with water	1	0	6				Blue metal stone ...	0	4	6
Loamy clay	0	3	6				Post stone, with a little water	1	0	0
Freestone	6	2	0				Blue metal stone ...	0	0	2
COAL—Low Main Seam	0	2	10	9	1	10	Post stone	0	2	0
							Grey metal stone ...	0	2	0
Thill stone	0	5	6				Blue metal stone ...	0	1	0
Freestone	5	1	6				Ironstone girdle ...	0	0	2
Blue metal stone ...	0	2	6				Blue stone	0	1	6
COAL	0	1	2	6	4	8	Post stone	0	0	2
							Blue metal stone ...	0	3	6
Blue metal stone ...	1	0	6				Post stone	0	0	6
Post stone	0	2	2				Blue metal stone ...	0	3	4
Blue metal	0	0	6				Post stone	0	0	4
Post stone	0	2	2				Blue stone	0	0	2
Blue metal stone ...	0	0	8				COAL, good 3 10			
COAL	0	0	10	2	0	10	COAL, bottom 0 6			
							Stone... ..	0	4	
Blue metal stone ...	0	4	6				COAL, bottom 0 8			
COAL	0	0	10	0	5	4				
Carried forward	19	0	8				Total	24	1	8

No. 939.—FUGAR HOUSE.

TOWNSHIP OF LAMESLEY, DURHAM.

Sheet 6 of Ordnance Map. Lat. , Long.

Account of Strata bored through at Fugar House, about 200 yards to the East of the Blue Well Outburst, supposed to be the Outburst of the Low Main Coal on Tyne. April 12th, 1755.

Approximate surface level feet above sea (Ordnance datum).

	Fa.	Ft.	In.	Fa.	Ft.	In.		Fa.	Ft.	In.	Fa.	Ft.	In.
Soil and stony clay ...	0	1	0				Brought forward	2	2	6	26	2	5
COAL , foul, mixed							White and grey post...	0	4	6			
with stony clay ...	0	1	0				Open parting, with						
Soft blue and grey							water ...	0	0	4			
metal, with a spring							White post, with water	2	2	0			
of water near the							COAL ...	0	0	8			
bottom ...	1	2	6				Black slaty metal,						
Strong white post ...	0	1	6				mixed with coal ...	0	0	6			
Strong grey metal											5	4	6
stone, with post							Grey metal ...	0	3	6			
girdles ...	0	3	9				COAL ...	0	1	2			
White post ...	0	2	6				Grey metal ...	0	1	0			
White post girdle,							Grey metal, scared						
with metal partings							with coal ...	0	0	6			
and settled the water	2	0	0				COAL ...	0	0	8			
White and grey post,											1	0	10
with brown and							Grey metal, with post						
black scamy part-							girdles ...	0	4	0			
ings and water ...	12	1	0				Grey post, with scamy						
Black metal ...	0	2	0				partings and water	1	3	0			
Grey metal ...	0	2	0				COAL ...	0	0	4			
White post, with metal							Blue metal ...	0	1	0			
partings ...	0	4	6				Grey metal ...	0	4	0			
Grey metal ...	0	0	8				Strong grey and blue						
COAL ...	0	0	2				metal stone, with						
				18	4	7	post girdles and						
Grey metal ...	0	1	0				water ...	2	1	0			
Grey metal stone ...	0	4	6				Grey and white post,						
Grey post, with strong							with water ...	1	3	0			
girdles, metal part-							COAL ...	0	2	0			
ings and water ...	6	3	0				Grey metal ...	0	0	6			
COAL ...	0	0	3				COAL ...	0	0	6			
Slaty band or lump ...	0	0	1				COAL , foul ...	0	0	2			
COAL ...	0	1	0								7	1	6
				7	3	10	Grey metal, with						
White post, with water	2	0	0				girdles and catheads				0	3	0
Grey metal ...	0	2	6										
Carried forward	2	2	6	26	2	5	Total ...				41	0	3

No. 940.—FUGAR HOUSE.

TOWNSHIP OF LAMESLEY, DURHAM.

Sheet 6 of Ordnance Map. Lat. 54° 35' 53", Long. 1° 39' 25".

An Account of Strata bored through, 240 yards South-east from Fugar House, in the Lane leading to Newcastle, for the Earl of Scarbro'. 1755.

Approximate surface level 293 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brown post and soft scamy partings ...	2	5	6				Brought forward	6	3	2	4	1	4
An open waste or hollow place ...	0	0	10				Grey metal stone and post girdles, with black scamy partings and water ...	1	4	0			
Loose post stone ...	0	0	6				Grey post, with water	0	2	6			
							Grey metal stone, with scamy partings ...	0	3	0			
COAL , loose							Grey post, with black scamy partings ...	1	1	6			
COAL , loose, and metal ..	1	0					Grey post, with <i>coal pipes</i> (set away the water) ...	8	5	0			
COAL , loose	2	9					Soft grey metal ...	0	1	0			
							COAL ...	0	0	2			
	1	0	6								19	2	4
				4	1	4	Grey metal and metal stone ...	0	4	6			
Grey and brown scamy metal, with <i>coal</i> and water ...	0	1	8				Grey post and metal partings ...	1	1	0			
Black metal stone, with scars of <i>coal</i>	0	2	0				White post, with water	2	0	0			
Grey metal stone, with girdles or lumps ...	1	4	0				White post ...	4	4	9			
Grey metal stone, with post girdles ...	1	0	0				White metal ...	0	0	4			
Grey post, with metal partings ...	0	5	0				COAL — <i>Supposed Beaumont or Harvey Seam</i> ...	0	2	6			
Grey metal ...	0	2	0								9	1	1
Grey post, with metal partings ...	0	5	0				Black grey thill ...	0	0	6			
Grey metal stone ...	0	3	0				In grey metal stone...	0	0	9			
Grey post and metal partings ...	0	3	0								0	1	3
Grey and white post (set away the water)	0	1	6										
Carried forward	6	3	2	4	1	4	Total ...				*33	0	0

* Approximate sea level 90 feet below this.

No. 941.—GALLOWGATE.

TOWNSHIP OF ST. ANDREW, NEWCASTLE.

Sheet 97 of Ordnance Map. Lat. 54° 58' 24", Long. 1° 37' 15".

Boring adjoining the Madhouse, in Gallowgate.

Approximate surface level about 198 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk to the <i>Yard Coal</i>				33	0	0	Brought forward	2	0	0	33	0	0
Grey stone ...	1	0	0			*	Brown and white post (water goes away)...	1	3	0			
Blue stone ...	1	0	0										
Carried forward	2	0	0	33	0	0	Carried forward	3	3	0	33	0	0

* Approximate sea level (Ordnance datum).

NORTHUMBERLAND AND DURHAM.

No. 941.—GALLOWGATE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Brought forward	3	3	0	33	0	0		Brought forward	48	5	4			
Strong white post ...	1	3	0					Grey stone ...	1	0	0			
Whin ...	0	2	0					White post ...	0	1	0			
Strong white post, open partings (water goes away) ...	1	0	0					Grey stone ...	0	1	0			
White and brown post	0	3	0					White and grey post	0	4	0			
Strong white post ...	3	0	0					Strong white post, with water	0	1	4			
Whin ...	0	1	4					Iron whin ...	0	1	6			
White post ...	0	3	0					Strong white post	0	5	0			
Open partings (water goes away) ...	0	0	5					In part water	0	0	4			
White post ...	2	3	0					Whin ...	0	3	0			
White post (water goes away) ...	2	0	0					Strong white post	0	3	0			
Whin ...	0	2	0					Grey metal ...	0	1	0			
<i>Bensham Seam—</i>								COAL ...	0	2	8			
COAL ...	1	4						Metal ...	0	0	4			
Metal ...	0	3						<i>Low Main Seam—</i>						
COAL , foul	0	4						COAL ...	1	0				
Black slate, mixed with coal ...	0	8						COAL , mixed with slates	0	4				
				0	2	7		COAL ...	0	4				
				15	5	4				0	1	8		
Carried forward	48	5	4								5	1	10	
								Total ...			54	1	2	

No. 942.—GALLOWGATE.

TOWNSHIP OF ST. ANDREW, NEWCASTLE.

Sheet 97 of Ordnance Map. Lat. 54° 58' 24", Long. 1° 37' 22".

Boring in Capt. George Stevenson's Estate, at the Foot of the Lane leading from the Quarry House to Gallowgate, near the Spring Garden.

Approximate surface level about 213 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk to the scaffold...	5	0	0				Brought forward	7	3	0			
Box ...	1	0	0				<i>Metal Coal Seam—</i>						
Grey post, with water	0	5	0										
Grey metal ...	0	4	0				COAL ...						
							Grey metal..	3	0				
							COAL ...	1	10				
									0	5	2		
											8	2	2
Carried forward	7	3	0				Carried forward				8	2	2

No. 942.—GALLOWGATE.—CONTINUED.

			Fs.	Ft.	In.	Fs.	Ft.	In.			
Brought forward			8						Brought forward		
Grey thill ...			0	3	0				18		
Grey metal ...			2	0	0				4		
Grey post ...			0	3	0				9		
Grey metal ...			1	1	0				33		
Black stone ...			0	3	0				3		
COAL, with water—											
Stone Coal ...			0	1	5						
						4					
Black stone ...			0	1	0						
Grey stone ...			1	0	0						
Grey post, with water			0	3	0						
Grey stone ...			1	0	0						
Grey metal ...			2	3	0						
Black metal, mixed											
with coal ...			0	2	0						
Grey post ...			1	0	0						
Brown and grey post,											
with water ...			1	0	0						
Grey stone, with post											
girdles ...			2	3	0						
White post, with water											
Blue stone ...			0	5	0						
Whin ...			0	2	2						
Blue stone ...			2	0	0						
White post ...			1	3	0						
Black stone ...			1	0	0						
Grey stone ...			1	0	0						
Black stone ...			0	3	0						
Grey stone ...			1	4	2						
Yard Seam—			Ft. In.								
COAL ...			2	10							
Black stone,											
mixed with											
coal ...			0	7							
						0					
						20			1		
Grey stone ...			1	0	0						
Blue stone ...			1	0	0						
Brown and white post			1	3	0						
Strong white post ...			3	0	0						
Whin ...			0	2	6						
Open partings ...			0	0	4						
Strong white post ...			3	0	0						
Whin ...			0	2	0						
Strong white post,											
mixed with whin ...			7	2	11						
Grey stone ...			1	0	0						
Carried forward			18	4	9	33	3	4	Total ...		
									82		
									0		
									8		

* Approximate sea level (Ordnance datum).

No. 943.—GALLOWHILL.

TOWNSHIP OF BOLAM, NORTHUMBERLAND.

Sheet 91 of Ordnance Map. Lat. 55° 7' 50", Long. 1° 50' 40".

Boring at Gallowhill, from the Bottom of the Quarry, South from the Coal Pits and Lime Kiln. 1823.

Approximate surface level 375 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Blue metal ...	1	3	1				Brought forward	8	0	9	3	1	7
Freestone, mixed with							Grey freestone, very						
<i>coal</i> ...	1	3	2				hard ..	2	3	10½			
COAL (seam now in							Bastard whin ...	0	1	1			
work) ...	0	1	4				White freestone ...	0	2	0			
				3	1	7	Grey freestone ...	2	1	6½			
Thill ...	0	1	0				Bastard whin ...	0	0	10			
White freestone post	0	4	6				Grey freestone ...	1	1	3			
Grey freestone post ...	6	2	9½				Blue metal ...	0	0	3			
White freestone ...	0	4	5½				In white post ...	0	3	11			
											15	3	6
Carried forward	8	0	9	3	1	7	Total ...				*18	5	1

* Approximate sea level 262 feet below this.

No. 944.—GARESFIELD.

TOWNSHIP OF WINLATON, DURHAM.

Sheet 5 of Ordnance Map. Lat. , Long.

Strata bored through at the Spen, in Mr. Smith's Land.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Stony clay ...	3	0	0				Brought forward	8	1	4	24	1	3
Leafy clay ...	7	0	0				Whin ...	0	0	8			
Stony clay ...	10	3	0				COAL ...	0	0	2			
Blue stone ...	1	0	0								8	2	2
COAL ...	0	1	0				White metal ...	0	0	10			
				21	4	0	Whin ...	0	2	3			
Grey post ...	0	3	0				White post ...	0	4	0			
Blue stone ...	0	1	0				Whin ...	0	0	5			
White post ...	0	4	2				White post ...	0	4	0			
Blue stone ...	0	1	0				Blue stone ...	1	3	0			
White post ...	0	3	0				White post ...	1	1	0			
Blue stone ...	0	2	3				Blue stone ...	0	4	6			
COAL ...	0	0	10				Green post ...	0	5	0			
				2	3	3	Blue stone ...	1	1	6			
White post ...	1	5	0				Grey post ...	0	5	0			
Whin ...	0	1	0				White post ...	0	2	0			
Brown post ...	0	3	0				Whin ...	0	3	4			
Grey stone ...	1	2	0				Blue stone ...	1	4	6			
Post and metal girdles	4	2	4				White post ...	2	0	0			
							Grey post girdles ...	4	3	3			
											17	2	7
Carried forward	8	1	4	24	1	3	Total ...				50	0	0

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No. 945.—GARESFIELD.

TOWNSHIP OF WINLATON, DURHAM.

Sheet 5 of Ordnance Map. Lat. 54° 56' 12", Long. 1° 45' 48".

Account of Strata sunk through at Ash Tree Colliery, in the Pit near the joining of the Lane with Barlow Fell. 1798.

Approximate surface level 580 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Walled with stone ...	5	3	0				Brought forward				18	3	0½
Brown post ...	6	5	6				Thill ...	0	4	0			
Blue metal stone ...	1	5	0				Grey post ...	2	1	2			
COAL ...	0	0	4½				COAL ...	0	0	8½			
Blue metal stone ...	0	1	3				Thill ...	0	1	3			
COAL ...	0	1	0				Grey post ...	4	3	0			
				14	4	1½	COAL—Tilley Coal	0	1	9			
Blue metal stone ...	0	1	11								7	5	10½
COAL ...	0	0	4				Thill ...	0	3	0			
Thill ...	0	0	6				Brown post ...	6	1	6			
Grey post ...	2	0	0				COAL (thinner by being crushed) —						
Blue metal stone ...	1	0	0				Stone Coal ...	0	2	7			
COAL—Barlow Field Coal ...	0	2	2								7	1	1
				3	4	11							
Carried forward				18	3	0½	Total ...				*33	4	0

* Approximate sea level 348 feet below this.

No. 946.—GARESFIELD.

TOWNSHIP OF WINLATON, DURHAM.

Sheet 6 of Ordnance Map. Lat. 54° 56' 8", Long. 1° 44' 28".

Account of Boring in the First Pit, Garesfield Colliery. 1801.

Approximate surface level 400 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay ...	1	0	0				Brought forward	11	2	11			
Soil and clay ...	0	3	0				Blue stone, with post girdles ...	0	4	7			
Blue clay, with whin tumbler ...	3	3	0				COAL and black slate—Barlow Fell Coal ...	0	3	6			
Sand, with a small feeder ...	0	2	0								12	5	0
Blue clay, with small tumblers ...	1	0	0				Clay stone ...	0	2	0			
Blue ramble, with water ...	2	2	0				Blue stone ...	1	0	0			
Yellow post, with part- ings ...	1	2	0				Black stone, with gir- dles ...	0	3	0			
Blue stone ...	0	4	5				Brown post ...	1	5	3			
Grey post ...	0	4	6				White post, with large gullets ...	2	4	3			
Carried forward	11	2	11				Carried forward	6	2	6	12	5	0

No. 946.—GARESFIELD.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	6	2	6	12	5	0	Brought forward	0	0	6	30	1	10
Grey platy post	1	0	6				Black stone	0	5	10			
Whin girdle	0	1	4				COAL—3/4 Seam	0	2	4	1	2	8
Platy post	0	2	2				Clay stone	0	2	2			
Whin girdle	0	1	2				Whin girdle	0	0	6			
Post girdle	0	0	10				Blue stone, with gir-						
Blue stone	3	2	7				dles	1	1	6			
White post	3	1	3				Platy post girdle	0	1	7			
COAL—Tilley Coal	0	0	6	15	0	10	Whin girdle	0	1	6			
Thill and blue stone	0	5	8				Grey metal stone	2	4	10			
COAL—Stone Coal	0	3	6	1	3	2	Blue stone	0	5	10			
Clay stone	0	1	0				Black jet	0	0	4			
COAL—5/4 Seam	0	3	10	0	4	10	Blue stone and grey						
Clay stone	0	0	6				girdles	0	4	0			
							COAL—Brockwell						
							Seam	0	3	6	7	1	9
Carried forward	0	0	6	30	1	10	Total				*39	0	3

* Approximate sea level 165½ feet below this.

No. 947.—GARESFIELD.

TOWNSHIP OF CHOPWELL, DURHAM.

Sheet 5 of Ordnance Map. Lat. 54° 55' 55", Long. 1° 46' 58".

Section of Strata, Chopwell A Pit, Garesfield Colliery.

Approximate surface level 500 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Outset	1	0	0				Brought forward	26	1	7			
Strata from surface	15	4	9				Strata	4	4	4			
<i>Stone Coal Seam—</i>							<i>Brockwell Seam—</i>						
COAL , good	2	6					COAL	0	6½				
Band	0	0½					Clay stone band	0	7				
COAL , good	0	2½					COAL	0	4				
	0	2	9	17	1	6	Band	0	2½				
Strata	4	4	3				COAL	2	1				
<i>Five-Quarter Seam—</i>							Splint	0	4				
COAL , good	3	2½						0	4	1	5	2	5
Band	0	1					Fire clay	0	1	4			
COAL , good	0	2½					COAL	0	6				
	0	3	6	5	1	9	Fire clay	0	2½				
Strata	3	1	8				COAL	0	2				
<i>Three-Quarter Seam—</i>							Fire clay	0	6				
COAL , good	1	7½						0	1	4½	0	2	8½
Band	0	1											
COAL , good	0	8½											
Band	0	0½											
COAL , good	0	2½											
	0	2	8	3	4	4							
Carried forward	26	1	7				Total				*32	0	8½

* Approximate sea level 307½ feet below this.

No. 948.—GARESFIELD.

TOWNSHIP OF CHOPWELL, DURHAM.

Sheet 5 of Ordnance Map. Lat. 54° 56' 0", Long. 1° 46' 58".

An Account of Strata sunk through in the Chopwell Bute Pit, Garesfield Colliery, by Samuel Coxon. 1867.

Approximate surface level 520 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Gravel, including out-set	2	0	0				Brought forward	3	0	0	21	3	2
COAL — <i>Towneley Seam</i> (outcrop)							Blue metal, with iron girdles	0	2	0			
Fire clay	0	3	0				<i>Three-Quarter Seam</i>						
Mixed post	3	0	4	2	3	0	Ft. In.						
COAL	0	0	9				COAL , good	1	7½				
				3	1	1	Stone band	0	1				
Clay	0	2	11				COAL , good	0	8½				
White post	4	3	0				Stone band	0	0½				
COAL — <i>Tilley Seam</i>	0	1	8				COAL , good	0	2½				
				5	1	7			0	2	8		
Good fire clay	0	2	0				Thill	0	1	0			
Blue metal, with iron girdles	1	4	4				Blue and grey metal	1	3	4			
COAL	0	0	2				Black stone and splint	0	0	8			
				2	0	6	Post	0	0	4			
Fire clay	0	1	6				COAL	0	0	4			
Blue metal, with iron catheads	1	0	0								1	5	8
Bastard whin	0	2	0				Thill	1	0	0			
Strong grey metal, with post girdles	0	5	3				Strong grey metal	0	2	9			
Strong post	0	0	9				Iron girdle	0	0	7			
Soft blue metal stone	0	3	10				Strong grey metal	0	3	4			
COAL — <i>Stone Coal Seam</i>	0	2	6				Iron girdle	0	0	4			
				3	3	10	Grey metal	0	1	8			
Good fire clay	0	1	6				Bastard whin	0	0	8			
Fire clay, with catheads	0	1	0				Grey metal, with post girdles	0	4	8			
Blue metal, with whin and iron balls	3	0	0				<i>Brockwell Seam</i>						
Whin	0	1	6				Ft. In.						
Strong blue metal, with iron balls	0	4	0				COAL	0	6½				
COAL — <i>5/4 Seam</i>	0	3	2				Clay band	0	7				
				4	5	2	COAL	0	4½				
Good fire clay	0	0	10				Black stone	0	2½				
Thill	0	2	2				COAL	1	11½				
Post	0	1	4				Splint	0	4				
Grey metal, with strong post girdles	0	3	3						0	4	0		
Post and whin	0	1	7								4	0	0
Blue metal	0	2	8				Good fire clay	0	1	4			
Soft blue and black stone, with iron girdles	1	0	2				COAL , coarse	0	0	5			
							Clay band	0	0	3			
Carried forward	3	0	0	21	3	2	COAL	0	0	2			
											0	2	2
							Strong clay, with catheads	0	1	7			
							Strong white post	1	0	3			
							Brown whin	0	2	3			
							Grey metal	1	0	0			
							Blue metal	0	2	6			
											3	0	7
							Total				*34	4	3

* Approximate sea level 311½ feet below this.

No. 950.—GARMONDSWAY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	25	0	0				Brought forward	55	1	2			
Brown limestone, very strong the last 5 feet (through June 13th, 1840) ...		2	4	0			Strong grey metal stone ...	1	3	6			
Dark grey stone ...	0	2	0				Strong white post ...	0	3	0			
Brown post ...	0	5	6				Whin ...	0	3	4			
Dark grey post ...	0	4	0				Grey metal stone ...	3	0	0			
Red and grey post ...	4	2	0				Strong white post ...	0	3	1			
Red and grey metal ...	0	5	0				Whin ...	0	0	5			
Red and grey post ...	1	1	4				Strong white post, mixed with whin (got 8th August, through 22nd) ...	1	1	0			
Black metal ...	0	0	6				Grey post ...	0	4	0			
Grey metal stone ...	4	0	3				White post, mixed with whin ...	0	2	2			
Post girdles ...	0	2	0				Grey metal stone, with post girdles ...	1	3	5			
Grey metal stone ...	0	1	0				Black metal ...	0	0	3			
Black metal stone ...	0	1	0				Grey metal stone, with post girdles ...	1	5	0			
Grey metal ...	1	2	4				Grey post ...	1	1	8			
							Grey metal stone ...	0	2	3			
COAL , tender		1	8				COAL , foul... ..	0	0	6			
Grey metal ...	0	7					Grey metal ...	0	5	10			
COAL ...	0	6					Ironstone girdle ...	0	0	6			
				0	2	9	Grey metal ...	0	4	5			
				42	3	8	Grey post ...	0	1	0			
Dark metal, with scares of coal ...	0	0	10				Grey metal ...	0	1	0			
Grey metal stone, with post girdles ...	1	2	0				Grey post ...	0	1	0			
Grey post, mixed with whin and water ...	0	2	5				Strong white post ...	0	1	6			
Grey metal stone ...	2	0	6				Grey post ...	0	1	6			
Black metal ...	0	0	3				White post, mixed with whin ...	0	1	7			
Grey metal, with post girdles ...	2	0	3				Soft grey post, inclining to metal stone... ..	0	2	6			
							White post ...	0	0	10			
COAL , tender		2	6				Grey metal ...	0	0	6			
COAL , foul... ..	0	9					Black metal ...	0	0	4			
				0	3	3							
				6	3	6	COAL ...		1	5			
Dark grey metal ...	0	2	0				COAL , slaty ...	0	1				
Grey metal stone ...	4	3	0				COAL , coarse and tender... ..	2	9				
Black metal ...	0	0	9								0	4	3
COAL ...	0	0	7								18	0	4
Black and grey metal, with scares of coal ...	0	3	8				Grey metal ...	0	1	0			
Ironstone girdle ...	0	0	6				Grey metal stone, with strong post girdles	1	2	3			
Black metal ...	0	0	6								1	3	3
COAL ...	0	0	4										
Grey metal ...	0	0	2										
COAL ...	0	0	6										
				6	0	0							
Carried forward				55	1	2	Total ...				74	4	9

No. 951.—GARMONDSWAY.

TOWNSHIP OF GARMONDSWAY MOOR, DURHAM.

Sheet 35 of Ordnance Map. Lat. , Long.

Account of Boring in the second Hole, in Garmondsway Estate. 1840.

Approximate surface level feet above sea (Ordnance datum).

	Ft.	Ft.	In.	Ft.	Ft.	In.		Ft.	Ft.	In.	Ft.	Ft.	In.
Soil ...	0	1	6				Brought forward	3	0	9	60	3	5
Clay ...	1	5	6				Grey metal stone ...	1	0	9			
Limestone ramble ...	0	4	0				Dark metal stone ...	1	0	0			
Marly limestone ...	18	1	0				Grey metal stone ...	1	0	2			
Strong white lime- stone, with water (25 fathoms 3 feet from the top) ...	10	0	6				Dark metal ...	0	0	4			
Brown limestone ...	2	1	0				COAL ...	1	2				
Brown limestone, ra- ther soft ...	4	2	6				Dark metal ...	3	7				
White limestone ...	1	4	0				COAL ...	1	3				
Yellow limestone ...	0	3	0					1	0	0			
Sand ...	0	0	4				Grey post ...	0	5	0	7	2	0
Brown limestone ...	2	5	8				Strong white post ...	5	5	0			
Grey metal stone ...	0	1	10				Strong white post, mixed with whin ...	0	3	11			
Brown post, with water ...	1	5	0										
Grey metal ...	0	2	4				COAL , soft ...	0	6				
Red and grey metal ...	2	1	0				Grey metal ...	1	3				
Red and grey post ...	3	0	0				COAL , strong	1	1				
Grey metal stone, with ironstone girdles ...	5	5	4					0	2	10			
Grey post ...	0	5	5				Grey metal stone, with post girdles ...	6	1	1	7	4	9
Grey metal stone ...	0	5	5										
White post, mixed with whin ...	0	3	1				COAL , good	1	7				
Grey metal stone, with post girdles ...	1	1	3				Grey metal ...	0	3				
COAL , strong, and very good (<i>supposed</i> <i>5.4 Seam</i>) ...	0	3	9				COAL , strong good ...	2	3				
				60	3	5	COAL , coarse	1	1				
Grey metal stone ...	1	2	0					0	5	2	7	0	3
Grey post, mixed with whin ...	1	4	9				Grey metal ...	1	0	0			
							Grey metal stone, in- clining to post ...	0	1	0	1	1	0
Carried forward	3	0	9	60	3	5	Total ...				83	5	5

No. 952.—GARMONDSWAY.

TOWNSHIP OF GARMONDSWAY MOOR, DURHAM.

Sheet 35 of Ordnance Map. Lat. _____, Long. _____

Account of Strata bored into below the Harcey Seam, 700 yards North-west of Garmondsway Moor Shaft. Commenced August 26th, 1846.

Approximate surface level _____ feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Thill stone ...	1	0	11				Brought forward	0	3	6	17	4	11½
Grey post stone ...	0	4	11				Dark blue stone ...	0	1	7			
Grey metal ...	0	3	6										
Post girdles ...	0	1	0				COAL ...	0	3				
Blue metal ...	0	1	7				Thill stone ...	0	4				
Post girdles ...	0	0	9				COAL ...	1	2½				
Grey metal and post girdles ...	1	0	1					0	1	9½			
Black stone ...	0	1	8								1	0	10½
COAL ...	0	0	3				Thill stone ...	0	3	4			
Black stone and coal ...	0	2	4				COAL ...	0	0	1			
Thill stone ...	0	3	8				Thill stone ...	0	2	6			
Post girdles ...	0	2	6½				COAL ...	0	0	1			
Grey metal ...	0	0	7				Hard grey post ...	0	1	7			
Post ...	5	5	9				White post ...	1	1	1			
Grey metal and iron girdles ...	2	4	10½				Grey metal ...	1	4	6			
Soft blue metal ...	0	3	1½				Black stone ...	0	1	1			
Grey metal ...	0	0	10				Grey metal ...	2	1	0			
Blue metal ...	0	0	3				Black stone ...	0	1	6			
Hard grey metal ...	0	2	6½				COAL ...	0	0	9			
Post girdles ...	0	0	6				Black stone ...	0	0	2			
Grey metal and post girdles ...	1	0	5				Grey post ...	1	2	3			
Blue metal ...	0	3	3				Blue metal ...	0	2	4			
							Grey post ...	0	1	10			
COAL ...	1	1					COAL ...	0	0	1			
Mild thill stone ...	0	5½					Grey metal ...	0	5	0			
COAL ...	0	1					COAL ...	0	0	2			
	0	1	7½				Grey post ...	0	4	7			
							COAL ...	0	0	2			
Thill stone ...	0	3	6				Thill stone ...	0	1	2			
							White post ...	0	1	3			
Carried forward	0	3	6	17	4	11½					11	0	6
							Total				30	0	4

No. 953.—GATHERICK.

TOWNSHIP OF BARMOOR, NORTHUMBERLAND.

Sheet 10 of Ordnance Map. Lat. 55° 40' 8", Long. 1° 4' 57".

Section of Strata sunk through to the Bulman or Main Coal Seam, at Gatherick Colliery. September 15th, 1819.

Approximate surface level 280 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Setting, being soil and clay ...	1	3	0				Brought forward	4	2	0			
Freestone banks ...	2	5	0				White freestone ...	2	5	0			
							Grey freestone ...	4	4	6			
Carried forward	4	2	0				Carried forward	11	5	6			

No. 953.—GATHERICK.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Carried forward	11	5	6				Carried forward	5	2	4	12	5	3
<i>Black Hill or Scremerston Main Coal</i>							Tills	0	3	0			
Seam (in a bad state)—	Ft.	In.					Metal (soft and whitish, like marl)	0	3	6			
COAL, rough	1	5					Tills, mixed with tender freestone bands	0	2	0			
Bastard limestone	0	8					<i>Bulman or Main Coal</i>						
COAL	0	6					Seam—	Ft.	In.				
Blue tills	2	0					COAL, top,						
COAL	1	2					generally left						
			0	5	9		for a roof	1	0				
					12	5	3	Black stone	0	1			
Freestone	0	2	4				COAL, splint,						
COAL, coarse	0	1	4				strong	1	4				
Freestone bands	1	3	0				Metal, bluish	0	4				
COAL, slaty	0	0	5				COAL, splint						
Black tills	0	1	4				(better than last)	1	0				
Limestone	0	1	0				Shalk stone	0	1				
Blue tills	1	3	0				COAL, smithy	0	7				
Very hard freestone	0	3	5						0	4	5		
Strong tills	0	2	6								7	3	3
Freestone	0	2	0				Soft metal thill				0	0	10
Carried forward	5	2	4	12	5	3	Total				*20	3	4

* Approximate sea level 156½ feet below this

No. 954.—GATESHEAD.

TOWNSHIP OF GATESHEAD EAST WARD, DURHAM.

Sheet 2 of Ordnance Map. Lat. 54° 57' 43", Long. 1° 36' 51".

Bored in the Chapel Pit, Gateshead Park, from the Yard Coal.

Approximate surface level at top of pit 148 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Grey metal	0	2	2				Brought forward	7	0	8			
Blue stone	1	0	2				Blue stone, with girdles	0	5	11			
Grey band, mixed with ironstone	0	5	4				White post	0	4	0			
Grey metal	0	2	2				Blue stone	0	3	4			
White post	0	2	6										
Grey post	0	4	5				COAL	1	3				
White post	0	3	2				Swad under	0	0½				
Grey post	0	0	8				COAL	0	8½				
Blue stone, with girdles	2	2	2				Swad under	0	0½				
Dun whin	0	1	5				COAL	0	9				
Blue cash	0	0	6						0	2	9		
Carried forward	7	0	8				Total				9	4	8
											9	4	8

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No. 953.—GATHERICK.—CONTINUED.

	Ft.	Ft.	In.	Ft.	Ft.	In.		Ft.	Ft.	In.	Ft.	Ft.	In.
Carried forward	11	5	6				Carried forward	5	2	4	12	5	3
<i>Black Hill or Scre-</i>							Tills	0	3	0			
<i>merston Main Coal</i>							Metal (soft and whit-	0	3	6			
<i>Seam (in a bad</i>							ish, like marl)	0	3	6			
<i>state)—</i>	Ft.	In.					Tills, mixed with ten-	0	2	0			
COAL, rough	1	5					der freestone bands	0	2	0			
<i>Bastard lime-</i>							<i>Bulman or Main Coal</i>						
<i>stone</i>	0	8					<i>Seam—</i>	Ft.	In.				
COAL	0	6					COAL, top,						
<i>Blue tills</i>	2	0					generally left						
COAL	1	2					for a roof	1	0				
			0	5	9		Black stone	0	1				
						12	5	3					
<i>Freestone</i>	0	2	4				COAL, splint,						
COAL, coarse	0	1	4				strong	1	4				
<i>Freestone bands</i>	1	3	0				Metal, bluish	0	4				
COAL, slaty	0	0	5				COAL, splint						
<i>Black tills</i>	0	1	4				(better than						
<i>Limestone</i>	0	1	0				last)	1	0				
<i>Blue tills</i>	1	3	0				Shalk stone	0	1				
<i>Very hard freestone</i>	0	3	5				COAL, smithy	0	7				
<i>Strong tills</i>	0	2	6						0	4	5		
<i>Freestone</i>	0	2	0				Soft metal thill				7	3	3
											0	0	10
Carried forward	5	2	4	12	5	3	Total				<u><u>20</u></u>	<u><u>3</u></u>	<u><u>4</u></u>

* Approximate sea level 156½ feet below this

No. 954.—GATESHEAD.

TOWNSHIP OF GATESHEAD EAST WARD, DURHAM.

Sheet 2 of Ordnance Map. Lat. 54° 57' 43", Long. 1° 36' 51".

Bored in the Chapel Pit, Gateshead Park, from the Yard Coal.

Approximate surface level at top of pit 148 feet above sea (Ordnance datum).

	Ft.	Ft.	In.	Ft.	Ft.	In.		Ft.	Ft.	In.	Ft.	Ft.	In.
Grey metal	0	2	2				Brought forward	7	0	8			
Blue stone	1	0	2				Blue stone, with gir-						
Grey band, mixed with							dles	0	5	11			
ironstone	0	5	4				White post	0	4	0			
Grey metal	0	2	2				Blue stone	0	3	4			
White post	0	2	6										
Grey post	0	4	5					Ft.	In.				
White post	0	3	2				COAL	1	3				
Grey post	0	0	8				Swad under	0	0½				
Blue stone, with gir-							COAL	0	8½				
dles	2	2	2				Swad under	0	0½				
Don whin	0	1	5				COAL	0	9				
Blue cash	0	0	6						0	2	9		
											9	4	8
Carried forward	7	0	8				Total				<u><u>9</u></u>	<u><u>4</u></u>	<u><u>8</u></u>

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No. 955.—GIBSIDE.

TOWNSHIP OF WHICKHAM, DURHAM.

Sheet 6 of Ordnance Map. Lat. 54° 55' 29", Long. 1° 43' 32".

*Account of Borings at Gibside, to determine the Foundation of the Hall.
No. 1 Hole.—Front of the Hall.*

Approximate surface level 148 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Sand and gravel	1	3	4			
Quicksand (water at top)	1	4	0			
Tumbling stone	0	1	2			
Loamy sand	0	3	6			
				4	0	0
Total	*4	0	0			

* Approximate sea level 124 feet below this.

No. 956.—GIBSIDE.

TOWNSHIP OF WHICKHAM, DURHAM.

Sheet 6 of Ordnance Map. Lat. 54° 55' 27", Long. 1° 43' 31".

No. 2 Hole bored at Gibside.—Back Side of Hall.

Approximate surface level 175 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Forced metal	1	4	0				Brought forward	6	5	11			
Sand and gravel	1	1	6				Tumbling stone	0	0	9			
Quicksand (water at bottom)	0	4	6				Blue clay	0	5	0			
Clay	2	2	0				Tumbling stone	0	1	5			
Tumbling stone	0	0	11				Blue clay	1	1	11			
Strong blue clay	0	5	0								9	3	0
Carried forward	6	5	11				Total				*9	3	0

* Approximate sea level 118 feet below this.

No. 957.—GORDON GILL.

TOWNSHIP OF BARONY, DURHAM.

Sheet 41 of Ordnance Map. Lat. 54° 38' 9", Long. 1° 46' 36".

Sunk in the Providence Pit, at Gordon Gill. 1834.

Approximate surface level 500 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Blue clay	4	0	0				Brought forward	6	2	0			
Loose gravel... ..	0	4	0				Strong stony gravel... ..	1	0	0			
Strong brown clay	1	4	0				Yellow metal	2	3	0			
Carried forward	6	2	0				Carried forward	9	5	0			

No. 957.—GORDON GILL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	9	5	0				Brought forward	1	1	10	20	1	8
Blue metal ...	3	1	3				Blue and grey metal	2	5	6			
Black metal ...	0	4	0				COAL ...	0	0	6			
COAL ...	0	0	2								4	1	10
				13	4	5	Thill ...	0	5	0			
Thill ...	0	5	6				White post ...	0	1	9			
White post ...	0	4	2				Grey beds ...	0	4	10			
Grey metal ...	2	5	0				White post ...	1	0	0			
White post ...	0	1	0				Grey beds ...	1	3	2			
Coal metal ...	0	5	4				White post ...	0	5	2			
COAL—5/4 Seam ...	0	3	11				Grey metal ...	0	2	5			
				6	0	11	Coal metal ...	1	0	6			
Thill ...	0	1	2				Main Coal Seam—						
COAL ...	0	1	2										
				0	2	4	COAL , cannel	0	10				
Thill ...	0	4	10				COAL ...	5	10				
White post ...	0	3	0							1	0	8	
											7	5	6
Carried forward	1	1	10	20	1	8	Total ...				32	3	0

No. 958.—GOSFORTH.

TOWNSHIP OF SOUTH GOSFORTH, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. , Long.

Account of a Boring in the North Pit, at Haddrick's Mill. 1738.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
In catheady metal and foul coal ...	0	3	0				Brought forward	5	4	0	5	3	0
Grey and blue metal, with some small gir- dles and catheads, and a small seam of coal at the bottom	5	0	0				Black slaty metal, mixed with coal ...	0	0	4			
				5	3	0	COAL and water ...	0	0	10			
Grey and blue metal, with catheads ...	2	3	0								5	5	2
White and grey post girdles, with scamy partings and water, which ran to the top of the hole...	2	5	0				Black slaty metal, mixed with coal ...	0	0	2			
Black and grey scamy metal ...	0	2	0				Grey and blue metal stone, with catheads or girdles ...	0	4	6			
							White post, with grey partings and water	1	3	0			
Carried forward	5	4	0	5	3	0	Grey and black me- tally stone...	0	2	0			
							White and grey metal stone ...	2	3	0			
							Grey and blue metal, with catheads ...	1	5	0			
							Black metal ...	0	0	4			
							Carried forward	7	0	0	11	2	2

No. 958.—GOSFORTH.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Brought forward	7	0	0	11	2	2	Brought forward				20	0	2	
<i>Yard Seam—</i>							Grey metal stone ...	0	3	0				
COAL, with							White and grey post,							
a small mix- Ft. In.							with some mixture							
ture of metal 0 10							of whin with scamy							
Black slaty							partings ...	3	1	6				
metal, with a							Blue metal ...	0	1	0				
small mix-							COAL ...	0	0	7				
ture of coal 0 7											4	0	1	
COAL, with							Grey metallous stone ...	0	5	0				
water ... 0 9							Blue metal ...	0	1	6				
				0	2	2	Black stone ...	0	4	6				
							COAL ...	0	0	2				
Black and grey metal					7	2	2	Black stone ...	0	1	6			
Black and grey metal,				0	0	4		Grey metal stone, with						
with girdles or cat-								grey post girdles ...	4	0	0			
heads ... 1 1 0											6	0	8	
COAL ... 0 0 6														
					1	1	10							
Carried forward				20	0	2		Total			30	0	11	

No. 959.—GOSFORTH.

TOWNSHIP OF SOUTH GOSFORTH, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. 55° 0' 27", Long. 1° 36' 18".

Borings at South Gosforth in search of the Main Dyke.—First Hole about 250 yards N.E. by E. from Gosforth Church.

Approximate surface level 194 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ... 0 1 0							Brought forward	4	5	9	13	0	0
Brownish clay, with							Blue grey metal and						
whin tumblers ... 0 2 0							metal ...	0	5	3			
Blue stony clay ... 12 3 0													
				13	0	0	COAL ...	0	8				
Blue grey metal, with							Grey metal,						
metal stone girdles							mixed with						
near the bottom ... 2 4 6							coal ...	0	7				
Blue grey metal stone										0	1	3	
Strong white post ... 1 5 0							In grey metal ...				6	0	3
											0	0	9
Carried forward				4	5	9	13	0	0				
							Total				*19	1	0

* Approximate sea level 79 feet below this.

No. 960.—GOSFORTH.

TOWNSHIP OF SOUTH GOSFORTH, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. 55° 0' 28", Long. 1° 36' 18".

*The second Hole bored at South Gosforth, 30 yards North from the first.
January 16th, 1817.*

Approximate surface level 195 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	0				Brought forward	12	1	0			
Brown clay, with two thin beds of sand ...	0	3	0				Rambly metal, mixed with clay	1	1	0			
Sand and gravel, with water	0	2	0				Grey, brown, and green scared post (and set away the water at 14 fathoms 1 foot)	2	0	0			
Blue stony clay ...	9	0	0				Grey metal	0	2	8			
Mixture sand and loamy clay ...	0	1	0				COAL	0	0	9			
Strong stony clay ...	0	3	0				Grey metal	0	0	9			
Sandy clay	1	3	0								16	0	2
Carried forward	12	1	0				Total				*16	0	2

* Approximate sea level 99 feet below this.

No. 961.—GOSFORTH.

TOWNSHIP OF SOUTH GOSFORTH, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Long. 55° 0' 29", Lat. 1° 36' 18".

*The third Hole bored at South Gosforth, 15 yards North from the second.
February 5th, 1817.*

Approximate surface level 195 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	0				Brought forward	2	2	0	12	2	0
Yellowish clay ...	0	1	6				White post	0	2	0			
Sand, with water ...	0	2	0				Grey metal	0	4	0			
Strong stony clay ...	11	3	6				COAL	0	0	9			
				12	2	0					3	2	9
Sand, with scares of clay	0	2	0				In grey metal				0	0	9
Brown and grey rambly scared post (and set away water at 13 fathoms) ...	2	0	0										
Carried forward	2	2	0	12	2	0	Total				*15	5	6

* Approximate sea level 99½ feet below this.

No. 962.—GOSFORTH.

TOWNSHIP OF SOUTH GOSFORTH, NORTHUMBERLAND.

Sheet 98 of Ordnance Map. Lat. 55° 0' 30", Long. 1° 36' 18".

*The fourth Hole bored at South Gosforth, 40 yards North from the third.
February 17th, 1817.*

Approximate surface level 192 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward	2	1	0	13	1	0
Yellowish clay ...	0	4	0				Grey metal, with scares						
Sand, with water ...	1	2	0				of red post ...	0	4	0			
Strong stony clay ...	11	0	0				Grey metal stone, with						
				13	1	0	some small scares of						
Grey metal ...	0	0	4				coal ...	2	2	0			
Red and grey metal,							Strong yellow and red						
with a scare of coal							post ...	0	3	6			
in middle ...	0	2	0								5	4	6
Brown, red, and yellow													
broken post, mixed													
with metal and clay													
and some scares of													
coal ...	1	4	8										
Carried forward	2	1	0	13	1	0	Total ...				*18	5	6

* Approximate sea level 78½ feet below this.

No. 963.—GOSFORTH.

TOWNSHIP OF SOUTH GOSFORTH, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. , Long.

Account of Boring in the Dean or Engine Pit, South Gosforth. 1817.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk to Thill of <i>Main</i>							Brought forward				33	1	6
Coal ...	28	0	0				Grey metal ...	0	2	0			
Sunk below <i>High</i>							Grey metal stone, with						
<i>Main</i> Coal ...	0	3	0				girdles ...	2	2	0			
Box ...	0	1	6				Dark grey metal, with						
Grey metal stone, with							scares of coal ...	0	3	0			
girdles ...	1	3	6				Strong white post,						
Black slaty metal ...	0	2	0				with water ...	0	5	6			
Grey metal stone, with							Grey metal ...	1	1	6			
girdles ...	2	2	0				Dark grey metal ...	0	1	0			
COAL— <i>Metal</i> Coal	0	1	6										
				33	1	6	Carried forward	5	3	0	33	1	6
Carried forward				33	1	6							

No. 963.—GOSFORTH.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	5	3	0	33	1	6
COAL (probably						
<i>Stone Coal</i>) ...	0	1	2			
				5	4	2
Dark grey metal stone	0	0	6			
Grey metal stone, with						
post girdles ...	1	0	10			
Dark grey and black						
metal ...	0	2	0			
Grey metal stone, with						
post girdles ...	4	0	5			
Grey metal, with iron-						
stone girdles ...	1	0	0			
COAL , with water at						
top ...	0	0	9			
Black and dark grey						
metal, scared with						
<i>coal</i> ...	0	0	11			
COAL ...	0	0	4			
				6	5	9
Blue metal ...	0	2	10			
Grey metal stone,						
with post and whin						
girdles ...	2	1	0			
Black metal, mixed						
with <i>coal</i> ...	0	0	6			
Strong white post,						
with water ...	1	0	0			
Grey post, with water						
... ..	0	1	6			
Strong white post,						
with whin ...	0	4	5			
Grey metal stone ...	1	0	4			
Black metal, scared						
with <i>coal</i> ...	0	0	2			
COAL , with water...	0	0	7			
				5	5	4
White post, with						
water ...	0	4	11			
Blue metal ...	0	2	0			
Black and dark grey						
metal and water ...	0	2	6			
Blue metal, with water						
(which rose to the						
top) ...	1	0	10			
Grey and white post,						
with beds of metal						
stone and water ...	3	0	0			
Grey metal, with iron-						
stone balls...	0	4	0			
<i>Bensham Seam</i> —						
COAL , with Ft. In.						
water ...	1	9				
Hard blue						
grey band	0	2				
COAL ...	0	4				
COAL , coarse						
slaty ...	0	1				
				0	2	4
				6	4	7
Carried forward				58	3	4

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	58	3	4			
Grey metal, with						
water ...	0	2	0			
Grey thready post,						
mixed with whin						
and much water ...	0	0	6			
Grey metal stone, in-						
clining to post ...	2	3	6			
Strong white post,						
mixed with whin,						
and whin girdles						
near the bottom ...	3	1	2			
Whin ...	1	0	0			
Strong white post,						
with whin girdles...	5	4	0			
Dark grey metal stone,						
with girdles ...	1	2	0			
Bluish white and white						
post, with some whin						
girdles ...	2	4	3			
Dark grey metal stone	0	1	6			
Black metal ...	0	0	8			
COAL , with						
water (rather						
tender and						
splinty near						
the top) ...	2	7				
Hard band ...	0	1				
COAL , with a						
hard lump in						
the middle...	0	6				
				0	3	2
				17	4	9
Grey post, scared with						
<i>coal</i> ...	0	0	2			
Strong white post ...	1	5	3			
Whin, with partings						
of post ...	1	0	0			
Strong grey metal						
stone, with whin						
girdles ...	2	4	6			
<i>Low Main Seam</i> —						
COAL , rather ten-						
der and coarse near						
the top, with water						
and a little sulphur,						
and burns to white						
ash ...	0	4	5			
				6	2	4
Grey metal, mixed						
with <i>coal</i> ...	0	0	3			
COAL , coarse, with						
bands ...	0	1	0			
COAL ...	0	0	9			
Grey metal ...	0	1	1			
COAL , with water...	0	1	0			
COAL , with bands						
of metal ...	0	2	2			
Blue metal ...	0	0	2			
White post ...	0	2	8			
				1	3	1
Carried forward	82	4	5			

No. 963.—GOSFORTH.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	1	3	1	82	4	5	Brought forward	1	5	2	82	4	5
Softish blue metal ...	0	1	0				Grey metal ...	0	0	4			
Black slaty stone ...	0	0	6				Dark grey metal stone	0	4	7			
COAL , foul, with sulphur ...	0	0	7								2	4	1
Carried forward	1	5	2	82	4	5	Total ...				85	2	6
Sunk ...							Fs.	Ft.	In.				
Bored ...							28	0	0				
							57	2	6				
Total ...							85	2	6				

No. 964.—GOSFORTH.

TOWNSHIP OF SOUTH GOSFORTH, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. 55° 0' 36", Long. 1° 36' 3".

Account of Hole bored at Gosforth Colliery, on the South side of the Ouseburn, 100 yards East of Salter's Bridge. April 11th, 1820.

Approximate surface level 150 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	6				Brought forward				29	4	8½
Gravel and water ...	0	1	6				Thill ...	0	1	2			
Blue clay ...	9	2	0				Post ...	0	1	7			
Burnt kind of red, green, and grey soft freestone ...	2	3	0				Whin ...	0	1	1½			
Blue metal ...	0	1	1				Post ...	0	4	4			
COAL —3/4 Seam ...	0	1	5				Blue metal ...	0	3	6			
				12	4	6	Black stone ...	0	0	4			
Thill ...	0	4	8				Thill ...	0	0	10			
Blue metal ...	1	3	1				Blue metal ...	2	3	2			
Grey metal post ...	0	3	6				Whin ...	0	0	6			
Blue metal ...	1	1	3				Blue metal ...	0	0	4			
Grey post ...	0	1	8				White post ...	0	0	3			
Brown post (water set away) ...	2	4	0				Black metal ...	0	0	5			
White post ...	0	3	8				Post ...	0	2	5			
Brown post ...	1	1	9				Blue metal ...	0	5	1½			
White post ...	1	2	8				Whin ...	0	1	2			
COAL ...	0	0	6				Black stone ...	0	1	6			
				10	2	9	Blue metal ...	1	1	0			
Black stone ...	0	0	8				Black stone ...	0	1	0			
Blue metal ...	1	2	8				Thill ...	0	1	1			
Grey metal post ...	0	1	5				Blue metal ...	0	3	8			
							Grey metal ...	0	2	4			
Blue metal ...	0	3	0				Post, with water	1	1	9			
Post girdle ...	0	0	9				Blue metal ...	0	0	4½			
Strong blue metal ...	0	4	7				Post girdle ...	0	0	9			
Post girdle ...	0	1	8				Grey metal ...	0	2	5			
White post ...	0	0	11				Post ...	0	2	8			
Black stone ...	0	0	1½				Grey metal ...	1	1	4			
Post ...	1	0	5				Blue metal ...	1	2	3			
Black stone ...	0	0	4				Post ...	0	4	8			
COAL ...	0	0	3				In grey metal	2	2	5			
				6	3	5½					17	1	5½
Carried forward				29	4	8½	Total ...				47	0	2

* Approximate sea level (Ordnance datum).

No. 965.—GOSFORTH.

TOWNSHIP OF SOUTH GOSFORTH, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. 55° 0' 23", Long. 1° 36' 7".

Boring in a Quarry, near Gosforth New Winning, to let the water down into the Main Coal Waste. Begun July 8th, and finished November 26th, 1824.

Approximate surface level feet above sea (Ordnance datum).

Post	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
COAL—3¼ Seam	1	4	0	0	2	0		Brought forward	10	5	11	2	0	0
							2 0 0	70-Fathom Post—						
Soft grey metal	6	4	0					{ Brown post	3	2	0			
Black stone	0	5	0					{ White post	2	5	0			
Brown post	0	3	0					Black stone	3	0	0			
White post	0	4	0					Post—Main Post	7	1	9½			
Whin	0	2	6									27	2	8½
Thill	1	4	3					COAL—High Main						
Whin	0	1	2					Waste.						
Carried forward	10	5	11	2	0	0		Total				29	2	8½

The Main Post was so hard here that 60 shifts (of 12 hours) were employed in passing through it; the greatest length bored in one shift was 23 inches, the least 2½ to 3, and the average was 9 inches per shift. The chisels were generally changed at the end of each inch.

No. 966.—GOSFORTH.

TOWNSHIP OF SOUTH GOSFORTH, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. , Long.

Strata sunk through in the Mary Pit, up to the time when abandoned on October 22nd, 1824. Begun August 24th, 1824.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	0				Brought forward	14	3	1			
Blue stony clay	11	4	0				Blue metal	0	2	0			
Soft blue metal stone							COAL	0	0	9			
and post	1	5	1								14	5	10
Broken reddish post							Thill	0	3	6			
and water	0	5	0				In post	2	1	4			
											2	4	10
Carried forward	14	3	1				Total				17	4	8

L

No. 967.—GOSFORTH.

TOWNSHIP OF SOUTH GOSFORTH, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. _____, Long. _____

Gosforth New Winning.—Strata sunk through in the Fanny Pit up to the time when abandoned, November 13th, 1824, on account of the enormous quantity of water.

Approximate surface level _____ feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	...	...	...	0	1	0	Brought forward	16	0	6			
Stony clay	...	...	...	11	5	6	Strong post and metal						
Blue metal	...	...	...	2	2	0	partings	...	...	2	3	0	
Blue metal and post							COAL	...	...	0	0	9	
girdles	...	...	...	1	4	0					18	4	3
							Grey thill	...	...	0	4	3	
							Blue metal	...	...	2	3	10	
											3	2	1
Carried forward	16	0	6				Total	...	...		22	0	4

No. 968.—GOSFORTH.

TOWNSHIP OF SOUTH GOSFORTH, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. 55° 0' 29", Long. 1° 36' 6".

Account of Strata sunk through at East Pit, Gosforth Colliery. 1827.

Approximate surface level 158 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brown stony clay	...	...	...	7	1	10	Brought forward	1	2	9	19	5	4
Grey seggar clay or							Black metal	...	...	0	0	6	
thill	...	...	...	0	4	0	Grey post	...	...	1	0	8	
Grey metal stone,							Grey shivery post	...	...	0	2	9	
mixed with grey							Black stone	...	...	3	1	8	
post	...	...	...	4	1	0	COAL	...	...	0	0	4	
Black metal	...	...	...	0	3	0				0	0	8	*
COAL	...	...	...	0	0	9	Thill (Main)	...	...	0	0	8	
							Post—Main Post	...	...	7	4	8	
Thill, scared with							Post in baulks, being						
black stone at bot-							High Main Waste	...	...	0	4	0	
tom	...	...	...	1	1	0					15	0	8
Grey metal stone, with							Thill	...	...	0	0	6	
post girdles	...	...	...	1	5	10	COAL , coarse—						
Brown post	...	...	...	2	2	10	Ground Coal	...	...	0	2	3	
Grey metal, with scamy													
post girdles	...	...	...	1	0	6	Thill	...	...	0	3	0	
Blue metal	...	...	...	0	2	1	Grey metal stone, with						
COAL	...	...	...	0	0	6	water	...	...	4	0	10	
							Black metal	...	...	0	0	6	
Thill	...	...	...	0	2	1	Grey metal	...	...	0	5	1	
Grey metal stone	...	...	...	0	3	2	COAL—Metal Coal	...	...	0	1	5	
Grey scamy post	...	...	...	0	3	6					5	4	10
Carried forward	1	2	9	19	5	4	Carried forward				41	1	7

* Approximate sea level (Ordnance datum).

No. 968.—GOSFORTH.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				41	1	7		Brought forward			64	4	9
Thill ...	0	2	3					Thill ...	0	1	6		
Grey metal ...	0	2	0					Grey post, with black metal ...	14	1	0		
Grey scamy post, with water ...	1	1	4					Dark grey metal, with post girdles ...	5	2	5		
Black metal, with a little water at bottom ...	1	3	2					Black metal ...	0	0	2		
Grey post, with a little water at bottom ...	0	2	4					* Five-Quarter Seam—					
Black metal ...	0	0	5					COAL ...	1	0 $\frac{1}{2}$			
COAL—Stone Coal	0	1	4					Grey metal ...	0	1 $\frac{1}{2}$			
				4	0	10		COAL ...	1	0			
Thill ...	0	0	8						0	2	2		
Dark grey post ...	0	3	4					Grey metal stone and post girdles ...	3	0	3	20	1
Black metal ...	0	0	6					COAL, coarse slaty	0	0	8		
White post ...	1	3	4					Grey metal stone, with post girdles ...	8	2	10		
Mixture of black metal and coal ...	0	0	2					Black metal ...	0	1	5		
Grey metal ...	0	1	1					COAL, very tender—					
White post ...	0	2	10					Low Main ...	0	0	8	11	5
Grey metal and metal stone ...	2	5	4										
Black metal ...	0	0	4					Grey metal stone ...	5	4	9		
COAL ...	0	0	10					Greenish post, very hard ...	15	0	10		
Grey metal ...	0	1	0					Blue metal, with dark post ...	0	0	6		
COAL ...	0	0	5					White post ...	3	4	10		
Thill ...	0	1	10					Blue metal ...	1	3	1		
Dark grey post, mixed with blue metal ...	1	4	0					COAL ...	0	0	2		
Strong white post, with a little water	3	2	7					Blue and black metal	0	3	9		
Yard Seam—								COAL ...	0	0	3		
COAL, coarse	1	3 $\frac{1}{2}$						Slaty blue metal ...	0	2	0		
Hard grey metal ...	1	0						Post girdles, with metal partings ...	1	2	2		
COAL, coarse	0	10 $\frac{1}{2}$						Blue metal ...	0	4	0		
				0	3	2		COAL—Beaumont Seam ...	0	1	10	29	4
				12	1	5							
Stone, seared with post	0	5	9					Blue metal, with thin girdles ...	1	0	3		
Black metal ...	0	3	8					White post ...	0	5	0		
COAL, slaty ...	0	0	2					COAL ...	0	0	11		
Thill ...	0	0	8					Blue metal stone ...	0	4	6		
Grey metal stone ...	0	3	10					White post ...	0	2	0 $\frac{1}{2}$		
Grey metal and grey post girdles, with ironstone bands ...	2	3	2					Blue metal stone ...	1	1	2		
Grey metal stone, with balls of ironstone ...	1	5	2					COAL ...	0	0	3 $\frac{1}{2}$		
Bensham Seam—								Soft grey post, with metal layers ...	2	2	8		
COAL ...	1	8						Hard white post ...	1	2	0		
Black slate, mixed with coal and water ...	0	2						COAL, very soft and coarse ...	0	1	1		
COAL ...	0	8						Thilly grey metal ...	0	2	0		
				0	2	6		COAL ...	0	0	8		
				7	0	11		Dark grey metal stone	2	3	0		
								White post ...	1	5	9		
Carried forward				64	4	9		COAL ...	0	0	2		
								Carried forward	13	1	6	126	4

* Proved afterwards to be the Low Main Seam.—S. C. CRONE.

No. 968.—GOSFORTH.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Brought forward	13	1	6	126	4	0		Brought forward	3	3	11½	155	5	0½
Thill ...	0	2	7					Grey metal ...	0	2	2			
COAL, very coarse								COAL ...	0	0	8			
and slaty ...	0	0	5					Grey metal ...	0	3	9			
Blue metal stone ...	1	4	6					COAL ...	0	0	7			
COAL—Denton Low								Dark grey metal stone	1	0	9			
Main ...	0	2	8					Brockwell Seam—						
				15	5	8		COAL ...	Ft. In.					
Thill ...	1	2	11					Brown band	0	8				
COAL, very coarse...	0	0	5½					COAL ...	1	5				
Grey metal stone, with											0	4	0	
post girdles near the														
bottom ...	1	0	9½											
COAL ...	0	0	1											
Grey metal stone, with								Grey metal ...	0	5	1½			
post girdles ...	1	0	5					COAL ...	0	0	3½			
COAL ...	0	1	1					Grey metal ...	0	1	11			
Grey metal stone ...	3	0	5					White post ...	7	2	8			
Hard white post ...	3	5	0					Blue metal ...	0	2	0			
Dark blue metal ...	0	3	2					COAL ...	0	1	3			
Grey shivery post, with								Blue and grey metal						
metal partings ...	1	0	4					stone, with post gir-						
Dark blue metal ...	0	2	6					dles ...	2	4	3			
Probable Denton Low								White post, with whin	6	1	6			
Main Seam—								Blue metal ...	0	5	0			
								COAL—Sole of Main						
COAL ...	Ft. In.							Drift ...	0	0	3			
Brown band	0	2½										19	0	3
COAL ...	0	7						Hard blue metal stone						
				0	2	2½		and post girdles ...	2	1	10			
				13	1	4½		White post ...	3	3	5			
Grey metal stone ...	0	5	2					COAL ...	0	0	9			
COAL ...	0	0	1					Soft brown metal ...	0	0	7			
Grey metal ...	0	3	6½					COAL ...	0	0	8			
COAL ...	0	0	3					Black slaty metal ...	0	0	3			
Grey shivery post, with								Grey metal stone ...	0	0	9			
metal partings ...	1	3	4					Grey post ...	0	0	9			
Grey metal ...	0	3	6					In grey metal stone...	1	0	9			
COAL ...	0	0	1									7	3	9
Carried forward	3	3	11½	155	5	0½		Total ...				189	0	11

No. 969.—GOSFORTH.

TOWNSHIP OF SOUTH GOSFORTH, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. 55° 0' 29", Long. 1° 36' 7".

Account of Strata sunk through at West Pit, Gosforth Colliery. 1827.

Approximate surface level 158 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brown stony clay ...	7	1	4				Brought forward	7	5	4			
Grey seggar clay or thill ...	0	4	0				Grey metal stone, mixed with grey post	2	5	7			
Carried forward	7	5	4				Carried forward	10	4	11			

No. 969.—GOSFORTH.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	10	4	11			
Black metal ...	0	3	0			
COAL ...	0	0	11			
Thill, scared with black stone at bot- tom ...	1	3	9			
Grey metal stone, with with post girdles ...	1	5	1			
Brown post ...	2	2	7			
Grey metal, with scamy post girdles ...	1	2	0			
Blue metal ...	0	2	1			
COAL ...	0	0	4			
Thill ...	0	2	1			
Grey metal stone ...	0	3	1			
Grey scamy post ...	0	3	6			
Black metal ...	0	0	6			
Grey post ...	0	5	10			
Grey shivery post ...	0	3	0			
Black stone ...	3	3	11			
COAL ...	0	1	0			
Thill (Main) ...	0	1	0			
Post—Main Post ...	0	1	5			
Post in baulks, being High Main Waste	7	3	5			
Thill ...				34	3	5
COAL , coarse— Ground Coal ...	0	2	3			
Thill ...	0	3	0			
Grey metal stone, with water ...	4	1	7			
Black metal ...	0	0	5			
Grey metal ...	0	4	7			
COAL —Metal Coal	0	1	5			
Thill ...	0	2	2			
Grey metal ...	0	2	0			
Grey scamy post, with water ...	1	0	6			
Black metal, with a little water at bot- tom ...	1	3	6			
Grey post, with a little water at bottom ...	0	2	10			
Black metal ...	0	0	8			
COAL —Stone Coal	0	1	5			
Thill ...	0	0	9			
Dark grey post ...	0	4	0			
Black metal ...	0	0	7			
White post ...	1	2	7			
Mixture of black metal and coal ...	0	0	3			
Grey metal ...	0	1	0			
Carried forward	2	3	2	45	0	3

* Approximate sea level (Ordnance datum).

† Proved afterwards to be the Low Main Seam.—S. C. CRONE.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	2	3	2	45	0	3
White post ...	0	2	10			
Grey metal and metal stone ...	2	5	9			
Black metal ...	0	0	4			
COAL ...	0	0	10			
Grey metal ...	0	0	11			
COAL ...	0	0	5			
Thill ...	0	2	0			
Dark grey post, mixed with blue metal ...	1	3	5			
Strong white post, with a little water	3	3	4			
Yard Seam—						
COAL , coarse	1	3				
Hard grey metal ...	1	0				
COAL , coarse	0	11				
Stone, scared with post	0	5	9			
Black metal ...	0	3	8			
COAL , slaty ...	0	0	3			
Thill ...	0	0	8			
Grey metal stone ...	0	3	10			
Grey metal and grey post girdles, with ironstone bands ...	2	4	2			
Grey metal stone, with balls of ironstone ...	1	4	1			
Bensham Seam—						
COAL ...	1	8				
Black slate, mixed with coal and water ...	0	2				
COAL ...	0	8				
Thill ...	0	2	6			
Grey post, with black metal ...	13	0	10			
Dark grey metal, with post girdles ...	6	1	11			
Black metal ...	0	0	2			
† Five-Quarter Seam—						
COAL ...	1	0				
Grey metal ...	0	1				
COAL ...	1	0				
Grey metal stone and post girdles ...	3	0	3			
COAL , coarse slaty...	0	0	8			
Carried forward	3	0	11	84	4	4

No. 969.—GOSFORTH.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	3	0	11	84	4	4	Brought forward	2	3	10	142	1	7
Grey metal stone, with post girdles ...	8	2	2				Grey metal stone, with post girdles ...	1	0	11			
Black metal ...	0	2	1				COAL ...	0	1	2			
COAL, very tender							Grey metal stone ...	2	5	3			
Low Main Seam ...	0	0	8				Hard white post ...	4	0	6			
				11	5	10	Dark blue metal ...	0	3	5½			
Grey metal stone ...	5	2	6				Grey shivery post, with metal partings	1	0	4			
Greenish post, very hard ...	15	3	1				Dark blue metal ...	0	2	6			
Blue metal, with dark post ...	0	0	6				Probable Denton Low Main Seam—						
White post ...	3	1	7				COAL ...	Ft. In.					
Blue metal ...	1	5	5				Brown band ...	0	2½				
COAL ...	0	0	1				COAL ...	0	7				
Blue and black metal	0	3	10							0	2	2½	
COAL ...	0	0	3								13	2	2
Slaty blue metal	0	1	10				Grey metal stone ...	0	5	10			
Post girdles, with metal partings ...	0	5	11				COAL ...	0	0	1			
Blue metal ...	0	4	0				Grey metal ...	0	3	10			
COAL—Beaumont Seam ...	0	1	5				COAL ...	0	0	3			
				29	0	5	Grey shivery post, with metal partings	1	2	4			
Blue metal, with thin girdles ...	0	5	5				Grey metal ...	0	3	5			
White post ...	1	3	8				COAL ...	0	0	1			
COAL ...	0	0	11				Grey metal ...	0	2	2			
Blue metal stone ...	0	4	6				COAL ...	0	0	8			
White post ...	0	2	5				Grey metal ...	0	3	3½			
Blue metal stone ...	1	0	5½				COAL ...	0	0	7½			
COAL ...	0	0	3½				Dark grey metal stone	0	5	4			
Soft grey post, with metal layers	2	2	6				Brockwell Seam—						
Hard white post ...	1	2	11				COAL ...	Ft. In.					
COAL, very soft and coarse ...	0	1	0				Brown band ...	0	6½				
Thilly grey metal ...	0	1	6				COAL ...	1	4½				
COAL ...	0	0	8							0	4	0	
Dark grey metal stone	2	3	0								6	1	11
White post ...	2	0	3				Grey metal ...	0	4	11½			
COAL ...	0	0	2½				COAL ...	0	0	3½			
Thill ...	0	2	8				Grey metal ...	0	2	1			
COAL, very coarse and slaky ...	0	0	5½				White post ...	7	3	1			
Blue metal stone ...	1	3	6				Blue metal ...	0	2	1			
COAL—Denton Low Main Seam ...	0	2	8				COAL ...	0	1	3			
				16	3	0	Blue and grey metal stone, with post girdles ...	2	4	8			
Thill ...	1	2	10½				White post, with whin	5	5	11			
COAL, very coarse ...	0	0	5½				Blue metal ...	1	0	0			
Grey metal stone, with post girdles near the bottom ...	1	0	5				COAL—Sole of Main Drift ...	0	0	3			
COAL ...	0	0	1				Hard blue metal stone and post girdles ...	1	2	10			
											20	3	5
Carried forward	2	3	10	142	1	7	Total ...				182	3	1

No. 970.—GRANGE.

TOWNSHIP OF ST. GILES, DURHAM.

Sheet 20 of Ordnance Map. About Lat. 54° 46' 0", Long. 1° 32' 2".

Strata bored through near Woodwell House, Grange Estate. June 3rd, 1842.

Approximate surface level about 235 feet above sea (Ordnance datum).

	Fa.	Ft.	In.	Fa.	Ft.	In.		Fa.	Ft.	In.	Fa.	Ft.	In.
Sand	1	5	0				Brought forward	5	3	10½	6	0	1
Freestone	2	3	10				Grey metal	3	3	8½			
Grey metal	1	2	0				COAL, foul	0	4	5	10	0	0
COAL	0	1	3				Black stone	0	1	0			
				6	0	1	Soft blue metal	3	2	9			
Grey metal	4	2	6½								3	3	9
Grey post	1	1	4				Total				19	3	10
Carried forward	5	3	10½	6	0	1							

No. 971.—GRANGE.

TOWNSHIP OF ST. GILES, DURHAM.

Sheet 20 of Ordnance Map. Lat. , Long.

No. 2 Hole.—Strata bored through in the Lane Field, on the Grange Estate, by William Coulson. 1842.

Approximate surface level feet above sea (Ordnance datum).

	Fa.	Ft.	In.	Fa.	Ft.	In.		Fa.	Ft.	In.	Fa.	Ft.	In.
Soil	0	1	0				Brought forward	5	0	10	7	5	0
Yellow clay	0	2	0				Grey metal, with post						
Brown clay	1	3	0				girdles	1	2	0			
Blue clay	3	2	0				Strong white post	1	0	0			
Sand	0	2	8				Post, with metal part-						
Loamy clay	1	1	4				ings	2	1	7			
Blue clay	0	5	0				Grey metal	0	3	8			
				7	5	0	Strong post, with						
Grey metal	0	3	5				water	3	3	8			
Strong white post,							Black stone	0	0	9			
with water	2	1	8				COAL—Low Main	0	1	4	14	1	10
Grey metal	0	2	4										
Grey post	0	1	10				Carried forward				22	0	10
White post, with water	1	3	7										
Carried forward	5	0	10	7	5	0							

No. 971.—GRANGE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				22	0	10	Brought forward	2	3	2	26	5	0
Grey metal, with post girdles ...	1	0	0				Grey metal ...	0	1	4			
White post, with water	0	5	5				COAL ...	0	0	6			
Grey metal, with post girdles ...	2	1	3								2	5	0
Dark grey metal ...	0	2	6				Grey metal ...	2	1	3			
COAL — <i>Splint Coal</i>	0	1	0				White post ...	1	0	5			
				4	4	2	Dark grey metal ...	3	0	4			
Dark grey metal ...	0	2	0										
Dark grey metal, with post girdles ...	2	0	2				COAL ...	Ft. In					
COAL ...	0	1	0				COAL , bottom	0 8					
									0 4 6				
											7 0 6		
Carried forward	2	3	2	26	5	0	Into grey metal ...				0 4 6		
							Total ...				37 3 0		

No. 972.—GRANGE.

TOWNSHIP OF ST. GILES, DURHAM.

Sheet 20 of Ordnance Map. Lat. 54° 47' 44", Long. 1° 31' 44".

Strata sunk through in the Grange New Winning. 1844.

Approximate surface level 245 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Soil	0	0	10				Brought forward	2	0	1	28	5	0	
Clay	1	0	0				Grey metal, with post							
White and brown free-							girdles	3	0	7				
stone, with partings							COAL—Brass Thill							
and water	3	0	0				<i>Seam</i>	0	1	4				
Grey metal	0	2	0								5	2	0	
Black metal	0	0	3				Black metal	0	0	3				
Dark grey metal	2	3	0				Grey metal, with post							
Strong grey metal ..	1	5	0				girdles	1	1	2				
Strong grey metal,							COAL	0	0	10				
with post girdles ...	1	3	0				Dark grey metal, mixed							
Strong grey post, with							with post	0	2	2				
water	1	1	0				COAL	0	0	8				
Grey metal	0	1	3				Strong grey metal,							
Brown freestone, with							with post girdles							
metal partings	10	1	8				and water	2	4	4				
Strong grey metal ...	1	1	0				Strong white post,							
Strong grey post, with							mixed with whin ...	0	4	3				
water	4	0	0				Strong dark grey me-							
Strong grey metal ...	1	0	0				tal, with post girdles	1	2	4				
Black stone or metal	0	0	9				and water	1	3	9			*	
COAL—Low Main	0	3	3				<i>Hutton Seam—</i>							
				28	5	0	<i>Ft. In.</i>							
Soft grey metal	0	0	6				COAL	4	0					
Grey metal, with post							COAL , bottom	1	3					
girdles	0	3	7								0	5	3	
Strong white post,												9	1	0
with water	1	2	0											
Carried forward	2	0	1	28	5	0	Total					43	2	0

* Approximate sea level (Ordnance datum).

No. 973.—GRANGE.

TOWNSHIP OF ST. GILES, DURHAM.

Sheet 20 of Ordnance Map. Lat. , Long.

Strata bored below the Hutton Seam, at about 76 yards N. 57½° W. from Coal-drawing Shaft, at Low Grange Colliery. 1862.

Approximate surface level feet above sea (Ordnance datum).

	Fa.	Ft.	In.	Fa.	Ft.	In.		Fa.	Ft.	In.	Fa.	Ft.	In.
From bottom of <i>Hutton Seam</i> , a scaffold and iron pipe ...	1	0	0				Brought forward	16	2	3	21	5	8
Grey metal ...	5	3	11				White post ...	3	5	1			
White post ...	0	2	0				COAL ...	0	1	10			
Grey metal ...	0	4	0								21	3	2
White post, with water	2	1	0				Grey metal ...	1	3	0			
Grey post ...	1	2	0				Post ...	2	0	8			
White post ...	1	2	6				COAL ...	0	1	7			
Grey post ...	2	1	6								3	5	3
Dark metal ...	0	0	6				Dark metal ...	0	1	5			
Grey metal, with post girdles ...	1	3	0				Post ...	7	1	6			
Black metal ...	0	1	9				Grey metal ...	2	4	0			
White post ...	1	5	4				COAL ...	0	1	2			
Grey metal, with post girdles ...	2	5	10								10	2	1
Black metal ...	0	0	8				Grey metal, with girdles ...	5	4	6			
COAL (<i>supposed Harvey Seam</i>) ...	0	1	8				COAL ...	0	3	1			
				21	5	8					6	1	7
Soft metal ...	0	0	3				Grey metal ...	0	2	0			
Metal stone, with post girdles ...	11	1	0				White post ...	0	5	6			
Strong grey and white post ...	2	4	6				COAL ...	0	0	6			
Strong grey metal stone, inclining to post ...	2	2	6								1	2	0
							Into grey post, with metal partings ...				3	1	6
Carried forward	16	2	3	21	5	8	Total ...				67	3	3

An Account of Strata bored through from Hutton Seam, 140 yards West of Shaft, Grange Colliery, at one of the Staples from Low Main.

Exactly the same as last section.

M

No. 974.—GREENCROFT.

TOWNSHIP OF LANCHESTER, DURHAM.

Sheet 19 of Ordnance Map. Lat. 54° 50' 15", Long. 1° 44' 0".

Account of Borehole No. 1 on Greencroft Common, as taken from Thomas Hall and others.

Approximate surface level 685 feet above sea (Ordnance datum).

	Fa.	Ft.	In.	Fa.	Ft.	In.		Fa.	Ft.	In.	Fa.	Ft.	In.
Clay ...	4	3	0				Brought forward	24	4	8			
Sand and metal ...	14	0	0				Black stone ...	0	2	0			
COAL ...	0	1	10										
Black metal ...	0	2	7				COAL ...	0	8				
COAL ...	0	0	7				COAL (sup-						
Grey thill ...	0	1	0				posed to be						
Blue stone, with post							the 22-inch						
girdles ...	5	1	8				Coal)	1	10				
										0	2	6	
Carried forward	24	4	8				Total ...				25	3	2
											*25	3	2

* Approximate sea level 533 feet below this.

No. 975.—GREENCROFT.

TOWNSHIP OF LANCHESTER, DURHAM.

Sheet 19 of Ordnance Map. Lat. 54° 50' 17", Long. 1° 43' 58".

Borehole No. 2 on Greencroft Common.

Approximate surface level 705 feet above sea (Ordnance datum).

	Fa.	Ft.	In.	Fa.	Ft.	In.
Clay ...	3	3	0			
Blue stone ...	5	1	8			
COAL ...	0	1	6			
COAL, mixed with brass, but not through	0	0	4			
						9 0 6
Total ...						*9 0 6

* Approximate sea level 650½ feet below this.

NORTHUMBERLAND AND DURHAM.

No. 976.—GREENCROFT.

TOWNSHIP OF LANCHESTER, DURHAM.

Sheet 19 of Ordnance Map. Lat. 54° 50' 20", Long. 1° 43' 55".

Borehole No. 3 on Greencroft Common.

Approximate surface level 725 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay ..	3	5	4				Brought forward	9	4	8			
Blue stone ...	3	0	0				Black metal, mixed						
Black stone ...	0	2	4				with coal ...	0	2	0			
Blue stone ...	1	5	0				COAL ...	0	4	2			
COAL ...	0	4	0								10	4	10
Carried forward	9	4	8				Total ...				*10	4	10

* Approximate sea level 660 feet below this.

No. 977.—GREENCROFT.

TOWNSHIP OF LANCHESTER, DURHAM.

Sheet 19 of Ordnance Map. Lat. 54° 50' 22", Long. 1° 43' 52".

Borehole No. 4 on Greencroft Common.

Approximate surface level 740 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay ...	3	3	0										
Sand ...	3	3	0										
Blue stone ...	4	0	0										
Left off (a running hole).											11	0	0
Total ...											*11	0	0

* Approximate sea level 674 feet below this.

No. 978.—GREENCROFT.

TOWNSHIP OF LANCHESTER, DURHAM.

Sheet 12 of Ordnance Map. Lat. 54° 50' 32", Long. 1° 43' 48".

Borehole No. 5 on Greencroft Common.

Approximate surface level 785 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay and reddish stone	1	0	9				Brought forward				5	0	11
Freestone ...	3	3	0				Soft thill ...	0	3	0			
COAL ...	0	3	2										
Carried forward				5	0	11	Carried forward	0	3	0	5	3	11

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No. 978.—GREENCROFT.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	0	3	0	5	0	11	Brought forward				23	1	6
Blue stone, with post							Black metal, mixed						
girdles	15	3	0				with coal	0	1	8			
Blue stone	1	3	0				COAL	0	5	0			
COAL	0	3	7				White thill	0	0	8			
				18	0	7					1	1	4
Carried forward				23	1	6	Total				*24	2	10

* Approximate sea level 638 feet below this.

No. 979.—GREENCROFT.

TOWNSHIP OF LANCHESTER, DURHAM.

Sheet 19 of Ordnance Map. Lat. 54° 50' 16", Long. 1° 43' 56".

Borehole No. 6 on Greencroft Common.

Approximate surface level 700 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay and red gravel...	2	1	6				Brought forward	3	3	9			
Wet sand	0	2	3				Blackish stone	4	2	1			
Blue clay	1	0	0				COAL	0	3	2			
							Thill	0	0	6			
											8	3	6
Carried forward	3	3	9				Total				*8	3	6

The seventh and eighth holes are in soft clay and quicksand, and could not be bored.

* Approximate sea level 648½ feet below this.

LEVELLING.

By levelling from the Fifth Borehole at Maiden Law House to the Third Borehole, there appears to be a descent of	Fs.	Ft.	In.	Ch.	L.
ground	10	0	0	distance	19 0
From the Third to the Second, a descent of	3	1	6	"	5 10
From the Second to the First, a descent of	3	2	0	"	3 40
From the First Hole to Quarry Pit, a descent of	14	2	0	"	5 40
Depth of Quarry Pit to 30-inch Coal	8	1	0	"	...
	39	0	6	"	32 90

OBSERVATIONS FROM THE FOREGOING LEVELLING.

	Fs.	Ft.	In.	Fs.	Ft.	In.
The First Borehole at No. 1 is in depth				25	3	2
Bank level from that to Quarry Pit	14	2	0			
Depth of Quarry Pit	8	1	0			
				22	2	0
Dip of Colliery				3	0	2
	Fs.	Ft.	In.	Fs.	Ft.	In.
The Fifth Borehole at Maiden Law House				24	2	10
Bank level from Fifth to Third Hole	10	0	0			
Depth of Third Hole	10	4	10			
				20	4	10
Dip of Colliery				3	4	6
	Fs.	Ft.	In.	Fs.	Ft.	In.
Depth of Third Borehole				10	4	10
Descent from Third to Second Hole	3	1	6			
Depth of Second Hole	9	0	6			
				12	2	0
Rise of Colliery from the Second to the Third Hole				1	3	2
	Fs.	Ft.	In.	Fs.	Ft.	In.
The Fifth Hole at Maiden Law House				24	2	10
Bank level from Fifth to Third Hole	10	0	0			
From Third to Second Hole	3	1	6			
Depth of Second Hole	9	0	6			
				22	2	0
Dip of Colliery from the Second to the Fifth Hole				2	0	10

No. 980.—GREENCROFT.

TOWNSHIP OF GREENCROFT, DURHAM.

Sheet 11 of Ordnance Map. Lat. , Long.

*Strata bored through in the Greencroft Estate, near the Durham Hill Farm House.
1839.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay... ..	1	5	8				Brought forward				5	5	10½
White metal... ..	0	5	0				Grey post	0	2	3			
Blue metal, with water	2	1	8½				Blue metal, with coal						
Grey post	0	2	6				pipes	0	3	1			
Blue metal	0	2	3				Grey metal, with post						
COAL—Yard Seam	0	0	9				girdles	4	2	2½			
				5	5	10½							
Carried forward				5	5	10½	Carried forward	5	1	6½	5	5	10½

No. 980.—GREENCROFT.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	5	1	6½	5	5	10½	Brought forward	1	3	8	22	2	0
Grey post ...	7	2	8				COAL ...	0	2	3			
Soft grey post, with							Dark blue metal ...	0	1	6½			
<i>coal pipes</i> ...	0	5	1½				COAL ...	0	1	11			
White post ...	0	5	6½								2	3	4½
Blue metal ...	0	4	11				Grey metal ...	1	2	3			
							Blue metal ...	2	2	11			
COAL ...	3	0					White post ...	0	1	0½			
COAL, foul... 0 2							Blue metal ...	0	3	3			
Dark metal ... 1 8											4	3	5½
COAL ... 1 6							In coal ...				0	0	8
	1	0	4										
				16	2	1½							
Black metal ... 0 1 2													
Dark blue metal ... 1 2 6													
Carried forward	1	3	8	22	2	0	Total ...				29	3	6

No. 981.—GREENCROFT.

TOWNSHIP OF GREENCROFT, DURHAM.

Sheet 18 of Ordnance Map. Lat. 54° 50' 16", Long. 1° 46' 25".

Account of a Boring in Esp Green Estate, near Farm House, in the South-east Corner of a Field called Ten Acres, Greencroft. November 20th, 1839.

Approximate surface level 550 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sandy clay ...	4	0	7				Brought forward	4	2	10	13	1	0
Brown ramble ...	1	0	9				Blue metal, with gir-						
Sand ...	0	2	0				dles ...	2	0	9			
Ramble ...	0	3	0				White metal ...	0	4	6			
Soft grey post ...	0	3	0				Brown metal, scared						
Brown metal ...	0	4	0				with <i>coal</i> ...	0	1	0			
Brown and grey post	3	5	0				White and grey post	8	0	6			
White and brown post	1	3	6				Brown metal ...	0	3	0			
Grey metal ...	0	3	2				Blue metal, with gir-						
				13	1	0	dles ...	3	1	6			
COAL, soft... 0 2 2							White and grey post	6	0	9			
Brown metal ... 1 0 6							Blue metal ...	0	5	0			
COAL ... 0 0 5							Into whin ...	0	3	6			
Brown and grey post	2	5	9								26	5	4
Carried forward	4	2	10	13	1	0	Total ...				40	0	4

No. 983.—GREENCROFT.

TOWNSHIP OF GREENCROFT, DURHAM.

Sheet 11 of Ordnance Map. Lat. , Long.

Account of a Boring North and West of Durham Hill, Greencroft Colliery, for the Northern Coal Mining Company. September 19th, 1840.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Black stone ...	0	1	3					Brought forward	11	1	2½	10	5 8½
Soft grey metal ...	0	1	0					Ironstone ...	0	0	4		
Grey post, with coal pipes ...	0	4	6					Dark post ...	0	0	4		
Grey metal, with iron-stone girdles ...	2	4	1					Blue metal ...	0	2	2		
White post girdles ...	0	0	6					Grey post ...	0	1	6		
Grey metal, with post girdles ...	3	1	8					Blue metal ...	0	3	11		
Strong white post ...	0	2	8					COAL ...	Ft. In.				
Grey metal ...	0	1	6					Band ...	0	3			
Strong brown post girdle ...	0	3	9					COAL ...	1	6			
Grey metal ...	0	1	10					Band ...	0	9			
Brown post, with metal partings ...	0	4	0						0	2	9		
Black stone ...	0	0	4									13	0 2½
COAL ...	0	0	8	9	3	9		Thill stone ...	0	1	9		
Blue metal ...	0	4	5					Strong white post, with metal partings	0	2	0		
Strong white post girdle ...	0	0	3					Strong brown post, with water	0	3	0		
Blue metal ...	0	2	2					Whin girdle ...	0	0	8		
COAL ...	0	1	1½	1	1	11½		Grey post ...	0	2	0		
Grey metal ...	0	0	3					Grey metal ...	1	1	10½		
Brown post ...	0	2	2½					Brown post ...	0	5	10½		
Yellow post ...	0	4	0					White post ...	0	1	3		
Grey post ...	0	5	3					Grey post ...	0	3	7		
Blue metal ...	0	0	5½					Grey metal ...	0	1	0		
Grey post ...	0	2	0					COAL ...	0	0	4		
Grey metal ...	0	0	7					Black stone ...	0	0	7		
Dark post ...	0	2	7					Brown stone ...	0	1	3		
Grey post ...	1	2	3					COAL ...	0	0	6		
White post ...	0	2	2½						5	1	8		
Grey post ...	0	1	9					Strong brown post ...	1	1	6		
Dark metal ...	0	1	3					Blue metal ...	0	3	4		
Grey metal ...	0	3	6					Grey metal, with post girdle ...	2	0	2		
Post girdle ...	0	0	6					Grey metal ...	0	2	2		
Blue metal ...	0	4	9					Black stone ...	0	1	10		
Dark metal ...	0	1	0					Grey metal ...	0	3	0		
Black metal ...	0	2	6½					Brown metal ...	0	1	9		
White post ...	2	1	10½					Brown post, with metal girdles ...	0	5	0		
Grey metal ...	0	1	0					Grey post ...	1	0	2		
Dark metal, with coal pipes ...	0	1	8					Grey metal ...	0	0	8		
Strong grey metal ...	1	1	0					COAL ...	0	0	6		
Dark post ...	0	0	7						7	2	1		
Carried forward	11	1	2½	10	5	8½		Grey metal ...	0	3	8		
								Carried forward	0	3	8	36	3 8

No. 983.—GREENCROFT.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	0	3	8	36	3	8	Brought forward	3	5	4	36	3	8
Grey metal, with post girdles ...	1	0	0				COAL ...						
Post girdle ...	0	1	0				Brown band ...	0	1				
Dark brown metal, with coal pipes ...	0	2	2				COAL ...	0	10				
Strong grey metal ...	0	4	6				COAL, foul ...	0	4				
Strong post girdles, with metal partings	0	3	0				COAL, tender ...	0	4				
Dark grey metal ...	0	3	0				Dark metal ...	0	3				
							COAL, slaty ...	0	4				
							—	0	3	9			
											4	3	1
Carried forward	3	5	4	36	3	8	Total ...				41	0	9

No. 984.—GREENCROFT.

TOWNSHIP OF GREENCROFT, DURHAM.

Sheet 18 of Ordnance Map. About Lat. 54° 49' 56", Long. 1° 45' 16".

Greencroft Estate.—Boring by the side of the Lane leading to Leadgate, at New Houses Farm Buildings, a mile from Lanchester. Begun June 25th, 1863.

Approximate surface level 404 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward	25	3	11			
Gravel and water ...	2	2	0				Dark metal and post girdles ...	0	3	9			
Clay ...	3	3	0				Post ...	1	1	3			
Sand ...	0	1	0				Dark metal ...	0	1	0			
Clay ...	1	1	0				COAL ...	0	0	7			
Gravel and water ...	1	0	0								2	0	7
Clay ...	0	1	6										
				8	3	6							
Metal ...	1	1	6				Metal ...	0	2	0			
Brown post ...	0	2	6				White post ...	2	0	6			
Metal ...	0	4	0				Dark metal ...	2	2	0			
Brown post ...	2	0	0				Grey metal ...	1	0	0			
COAL ...	0	0	8				Black metal and scars of coal ...	0	1	2			
				4	2	8	Grey metal ...	1	4	6			
Metal ...	1	5	6				White post ...	6	0	4			
White post ...	0	2	6				COAL ...	0	0	10			
Metal ...	1	3	10								13	5	4
White post ...	0	1	3										
Metal ...	1	4	0				Grey metal ...	4	4	6			
White post ...	5	4	0				White post and whin girdles ...	6	0	4			
Dark metal ...	0	4	6				Metal ...	1	4	0			
COAL—Brockwell (?)	0	2	2										
				12	3	9							
Carried forward	25	3	11				Carried forward	12	2	10	41	3	10

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No. 984.—GREENCROFT.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	12	2	10	41	3	10	Brought forward	21	5	8	41	3	10
Post and metal part-ings	...	2	0	0			Post	...	0	3	0		
Post and whin	...	1	1	4			Grey metal	...	3	5	0		
Metal stone and post girdles	...	2	4	6			Post	...	0	1	6		
Post	...	1	5	0			In grey metal (Dec. 19th, 1863)	...	2	5	2		
Grey metal	...	1	4	0							29	2	4
Carried forward	21	5	8	41	3	10	Total	...			71	0	2

No. 985.—GREENCROFT.

TOWNSHIP OF GREENCROFT, DURHAM.

Sheet 18 of Ordnance Map. Lat. , Long.

Greencroft Estate.—Boring in Fence Bank, by G. Rawling Stott. Begun December 22nd, 1863; left off September 21st, 1864.

Approximate surface level feet above sea (Ordnance datum).

		Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay	...	5	1	0				Brought forward	6	4	10	30	1	7
Metal	...	1	0	0				COAL	...	0	0	4		
Brown and grey post	12	3	9					Metal	...	0	3	6		
Metal	...	0	0	6				COAL	...	0	0	7		
COAL	Ft. In.											7	3	3
COAL, foul	0	4						Metal	...	2	1	6		
		0	2	7				Post and whin	...	2	2	6		
				19	1	10		Grey metal	...	3	2	0		
Black metal	...	1	1	0				Post	...	7	1	6		
Grey metal	...	2	0	0				Grey metal	...	1	3	0		
Black metal	...	0	1	6				COAL	...	0	2	5		
COAL, strong	...	0	2	4								17	0	11
				3	4	10		Dark metal	...	0	0	4		
Grey metal	...	0	3	0				Grey metal	...	0	2	0		
Black metal	...	0	0	3				Post	...	0	3	6		
COAL	...	0	0	10				Metal	...	1	4	0		
				0	4	1		COAL	...	0	0	4		
Grey metal and iron-								Metal	...	1	1	0		
stone girdles	...	4	0	0				COAL	...	0	0	8		
Post	...	1	4	9								3	5	10
Main Coal Seam—								Metal	...	2	1	0		
COAL, good	Ft. In.							Whin	...	0	0	10		
COAL, slaty	0	3						Metal	...	0	4	0		
		0	4	1				Black metal	...	0	1	6		
				6	2	10		Girdle	...	0	0	6		
Grey metal	...	0	4	10				Black metal and coal	...	0	1	0		
Grey post and a gullet								Metal	...	1	4	6		
at 6 feet	...	2	3	0				Grey post	...	3	4	4		
Metal	...	3	3	0				COAL	...	0	1	8		
												9	1	4
Carried forward	6	4	10	30	1	7		Hard grey metal and						
								coal	...	0	2	4		
								Carried forward	0	2	4	68	0	11

No. 985.—GREENCROFT.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	0	2	4	68	0	11	Brought forward	3	0	0	69	4	5
Grey metal and girdles	0	4	4				Strong post ...	5	0	4			
COAL ...	0	2	10				COAL ...	0	1	5			
				1	3	6					8	1	9
Grey metal ...	1	4	6				In grey metal, with						
Hard girdle ...	0	1	3				girdles ...				8	3	0
Grey metal ...	1	0	3										
Carried forward	3	0	0	69	4	5	Total ...				86	3	2

No. 986.—GREENFIELD.

TOWNSHIP OF BARONY, DURHAM.

Sheet 42 of Ordnance Map. Lat. 54° 38' 47", Long. 1° 43' 54".

Account of the Strata at Greenfield, near West Auckland.

Approximate surface level 520 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.			
Soil	...	...	0	1	9			Brought forward			16	3	3	
Clay	...	...	0	3	0			Sill	...	...	0	3	0
						0	4	9	Grey metal	...	1	2	3			
Blue metal	...	...	1	0	0			Metal stone	...	...	1	0	0
Grey metal stone	...	...	1	3	0			COAL	...	...	0	1	0
Strong grey metal	0	2	0							3	0	3		
Blue metal	...	...	0	1	0			Grey metal	...	...	2	1	0
COAL	...	...	0	0	9			COAL	...	...	0	0	8
						3	0	9				2	1	8		
Soil	...	...	0	1	6			Sill	...	...	0	2	0
Grey metal stone and								Grey metal stone	...	...	1	4	6	
blue metal	...	...	1	1	6			Strong grey post	...	...	0	1	9
Strong grey post	...	...	1	0	0			Blue metal and metal						
Blue metal	...	...	0	5	0			stone	...	...	3	0	6
Black metal	...	...	0	3	0			Dark blue metal	...	...	1	5	6
COAL	...	...	0	3	0			Black metal stone	...	...	0	1	0
						4	2	0	<i>Crow Coal</i> —	Ft.	In.					
Thill	...	...	1	0	0			COAL	...	0	9			
Grey metal stone	...	...	1	5	9			Band	...	0	9			
Grey post	...	...	0	3	9			COAL	...	4	6			
Grey metal	...	...	0	3	6						1	0	0	
Brown post	3	2	6							8	3	3		
								Grey sill	...	...	0	5	6	
COAL	Ft.	In.						White post	...	...	1	3	0	
Sill	...	1	6					COAL	...	...	0	0	9	
COAL	...	1	3									2	3	3		
				0	4	3		Grey metal, with								
						8	1	9	brown scres	...	0	1	9			
								Grey metal stone and								
								grey post	...	...	1	0	0	
Carried forward			16	3	3			Carried forward			1	1	9	32	5	8

No. 986.—GREENFIELD.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	1	1	9	32	5	8	Brought forward	6	0	6	32	5	8
Strong white post ...	2	3	6				Blue metal ...	0	1	9			
Blue metal ...	0	2	0				White post ...	3	2	6			
Strong grey metal ...	0	5	9				Blue metal ...	1	5	9			
Blue metal ...	0	2	6				Black swad ...	0	3	6			
Strong grey metal							COAL—Main Coal	0	5	10			
stone ...	0	3	0								13	1	10
Carried forward	6	0	6	32	5	8	Total ...				*46	1	6

* Approximate sea level 242 feet below this.

No. 987.—GREENHEAD.

TOWNSHIP OF BEDBURN, DURHAM.

Sheet 33 of Ordnance Map. Lat. , Long.

Section of the Strata of Greenhead and Abbot's Close Collieries.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	1	0	0				Brought forward				14	1	9
Blue metal ...	1	3	0				Soft white clay ...	0	3	6			
Freestone post ...	1	2	0				Iron girdle ...	0	1	0			
COAL ...	0	0	10				Blue metal ...	3	0	2			
Brown seggar, mixed							Grey metal ...	3	3	10			
with iron nodules...	1	0	2				COAL—Busty Seam	0	1	11			
Yard Seam— Ft. In.											7	4	5
COAL ...	0	10					Fire clay ...	0	1	8			
Strong dark							Blue metal ...	0	1	6			
post band...	0	7					Grey post ...	0	1	8			
COAL ...	3	0					Blue metal ...	0	5	6			
				0	4	5	Grey whin girdle ...	0	2	0			
							White post ...	2	2	6			
Strong dark post band	0	0	8				Blue metal ...	2	5	0			
Grey metal ...	0	3	3				Main Coal Seam—						
COAL ...	0	0	10				COAL , top	2	6				
Blue metal ...	1	0	0				Band, mixed						
Grey post ...	0	3	6				with stone						
Grey metal ...	1	2	0				and coal ...	0	3				
Post ...	0	2	0				COAL ...	4	2				
Grey metal ...	0	5	0								1	0	11
Cannel ...	0	0	7										
COAL—Ballarat													
Seam ...	0	1	10										
				5	1	8					8	2	9
Fire clay ...	0	1	8				Fire clay ...	0	1	10			
Blue metal ...	1	2	0				White clay, mixed						
Post ...	0	2	0				with iron nodules...	0	5	6			
Fine blue metal ...	0	4	0								1	1	4
COAL—5/4 Seam ...	0	4	0										
				3	1	8							
Carried forward	14	1	9				Total ...				31	4	3

No. 988.—GREENLAND

TOWNSHIP OF BURNHOPE AND HAMSTEELS, DURHAM.

Sheet 19 of Ordnance Map. Lat. , Long.

Account of the Boring of No. 3 Hole, at Greenland. Commenced November 6th, 1856.

Approximate surface level feet above sea (Ordnance datum).

	Fa.	Ft.	In.	Fa.	Ft.	In.		Fa.	Ft.	In.	Fa.	Ft.	In.
Clay ...	0	5	0				Brought forward	1	3	2	18	1	0
Yellow freestone ...	1	0	0				Strong grey metal,						
Brown freestone ...	1	2	0				with post girdles ...	1	4	1			
COAL , foul... ..	0	0	9				Strong white post ...	1	0	0			
				3	1	9	Grey metal ...	0	0	2			
Soft grey metal ...	0	2	11				COAL ...	0	1	6			
Post girdles ...	0	1	0								4	2	11
Grey metal ...	2	1	6				Grey metal ...	1	0	6			
Post ...	0	2	4				COAL ...	0	2	3			
Grey metal, with post											1	2	9
girdles ...	1	2	5				Seggar ...	0	3	2			
Dark metal ...	0	0	6				Strong grey metal ...	0	3	6			
Soft grey metal ...	0	0	7				Mild white post ...	2	0	6			
COAL ...	0	2	2				Hard white post ...	0	3	5			
				5	1	5	Rotten stone... ..	0	1	5			
Seggar ...	0	0	7				Strong white post ...	2	4	1			
Dark metal ...	0	0	7				Strong grey metal ...	0	2	6			
Grey metal ...	0	1	1				Strong white post ...	0	4	1			
Post, with metal part-							COAL ...	0	1	0			
ings ...	0	3	8								7	5	8
Grey metal, with post							Strong white post ...	0	3	0			
girdles ...	3	4	10				Strong grey metal ...	0	4	1			
Hard white post ...	0	0	8				Strong white post ...	0	1	5			
Strong grey metal,							Grey metal ...	0	2	10			
with post girdles ...	1	1	2				COAL , foul... ..	0	0	5			
COAL ...	0	1	0								1	5	9
				6	1	7	Grey metal, mixed						
Grey metal ...	0	4	1				with post girdles ...	3	1	10			
Strong grey metal,							COAL ...	0	0	7			
mixed with post							Grey metal ...	0	2	0			
girdles ...	1	0	10				Hard white post, with						
Soft grey metal ...	0	4	9				metal partings ...	1	3	8			
COAL ...	0	0	3				Strong grey metal,						
				2	3	11	with partings ...	2	3	5			
Grey metal ...	0	4	0				COAL ...	0	3	7			
COAL ...	0	0	4								8	3	1
				0	4	4	Grey metal ...				0	0	10
Grey metal, with post													
girdles ...	1	3	2										
Carried forward	1	3	2	18	1	0	Total ...				42	4	0

No. 989.—GREENSFIELD MOOR.

TOWNSHIP OF ALNWICK, NORTHUMBERLAND.

Sheet 32 of Ordnance Map. Lat. _____, Long. _____

Section of Strata at Greensfield Moor, S.E. of Alnwick. By W. Wilson. 1851.

Approximate surface level _____ feet above sea (Ordnance datum).

			Fs.	Ft.	In.	Fs.	Ft.	In.				Fs.	Ft.	In.	Fs.	Ft.	In.
<i>Sunk:—</i>									Brought forward								
Clay	...	...	4	0	0				Black stone, with free-	...	...	2	4	7	11	0	0
Blue metal and free-	...	...							stone beds	...	...	0	4	6			
stone beds	...	...	6	0	0				Hard freestone	...	...	0	0	7			
Limestone	...	...	1	0	0				Black metal	...	...	0	0	6			
						11	0	0	Freestone	...	...	1	2	6			
<i>Bored:—</i>									Black metal	...	...	0	0	3			
Limestone	...	...	0	5	11				Hard freestone	...	...	0	1	6			
Black metal	...	...	0	1	6				Black metal and free-	...	...	0	1	6			
White metal	...	...	1	1	2				stone	...	...	1	0	4			
Black metal	...	...	0	1	3				Freestone, with water	...	...				6	4	3
Red stone, with iron	...	...													
beds	...	...	0	0	9												
Carried forward			2	4	7	11	0	0	Total						17	4	3

No. 990.—GREENLAWALLS.

TOWNSHIP OF DUDDO, NORTHUMBERLAND.

Sheet 10 of Ordnance Map. Lat. 55° 40' 55", Long. 2° 5' 22".

Section of Strata sunk through in the Lady Pit to the Bulman and Cowper Eye Seams, Greenlawalls Colliery.

Approximate surface level 238 feet above sea (Ordnance datum).

			Fs.	Ft.	In.	Fs.	Ft.	In.				Fs.	Ft.	In.	Fs.	Ft.	In.
Blue clay			...	...	...	1	0	9	Brought forward						8	3	9
White freestone			...	...	...	5	4	0	Soft blue shale	...	...	0	0	5			
<i>Hardy Seam—</i>			Ft. In.						White freestone	...	...	0	1	10			
COAL			...	...	...	2	0		Hard white freestone	...	...	0	2	2			
Limestone			...	...	...	0	10		Soft blue metal	...	...	0	0	4			
COAL			...	...	...	0	8		Black metal	...	...	0	0	8			
						0	3	6	White metal	...	...	0	2	9			
									COAL	...	...	0	0	2			
Brown metal			...	...	...	0	1	6	Shale	...	...	0	3	10			
Limestone			...	...	...	0	0	6	Hard white freestone	...	...	0	4	6			
<i>Diamond Seam—</i>									Blue shale	...	...	0	5	9			
COAL			...	...	...	1	6		Freestone	...	...	0	2	4			
Shale			...	...	...	2	0		Freestone bands	...	...	1	0	6			
COAL			...	...	...	0	5	6	Blue shale	...	...	2	2	0			
									Freestone band	...	...	0	1	0			
						1	1	6	COAL	...	...	0	0	9			
									Black shale	...	...	0	0	9			
Carried forward						8	3	9	Carried forward			7	5	9	8	3	9

No. 990.—GREENLAWALLS.—CONTINUED.

Brought forward						Brought forward											
Fa. Ft. In.			Fa. Ft. In.			Fa. Ft. In.			Fa. Ft. In.								
			7	5	9	8	3	9				3	4	6	24	5	2
<i>Bulman Main Seam—</i>																	
			Ft. In.														
COAL, top	...	1	2	1	2												
Chalk stone	...	0	0	0	1												
COAL, splint	...	0	0	9													
COAL, rough	...	0	0	7													
Band stone	...	0	0	3													
COAL, ground	...	1	1														
Chalk stone	...	0	0	1													
COAL, smithy	...	0	0	9													
			—			0	4	9									
									8	4	6						
Shale	0	1	0												
Limestone	0	1	3												
COAL	0	0	6												
Shale	3	3	0												
Freestone	1	5	0												
Limestone	0	1	4												
Tills*	0	0	10												
Limestone	0	2	0												
COAL	0	0	6												
Freestone bands	0	2	10												
			Ft. In.														
COAL	0	6													
Tills	1	0													
COAL	1	2													
			—			0	2	8									
									7	2	11						
Freestone bands	1	4	0												
Freestone	2	0	6												
			—														
<i>Carried forward</i>																	
			3	4	6	24	5	2									

Brought forward						Brought forward											
Fa. Ft. In.			Fa. Ft. In.			Fa. Ft. In.			Fa. Ft. In.								
			3	4	6	24	5	2									
<i>Three-Quarter Seam—</i>																	
			Ft. In.														
COAL, top	...	0	11														
Limestone	...	0	9														
COAL	...	1	0														
			—			0	2	8									
									8	4	7						
Tills	0	3	0												
COAL	0	0	6												
Tills	0	4	0												
Limestone	0	1	4												
<i>Cowper Eye Seam—</i>																	
			Ft. In.														
COAL, splint	...	1	2														
Macket†	...	0	3														
COAL, ground	...	1	1														
			—			0	2	6									
									1	5	4						
Shale	0	3	0												
Limestone	0	1	6												
Tills	0	2	0												
			—														
									1	0	6						
<i>Into limestone.</i>																	
			Total			...	...	...						
						36	3	7									

No. 991.—GREY MARE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				4	1	4	Brought forward				7	2	9
Grey metal ...	0	3	0				In white grey metal...				0	0	4
COAL, foul...	0	0	4				<i>Bored further in the same place, August 23rd:—</i>						
Blue metal, with post girdles ...	1	1	6				Grey and white post, with water...	4	1	0			
Black slaty metal, with girdles or lumps ...	0	2	5				Blue metal ...	0	4	0			
Grey metal ...	0	2	0				Black metal ...	0	0	6			
							COAL ...	0	0	9			
COAL ...											5	0	3
Grey metal ...							In soft grey and white metal ...				2	3	0
COAL ...													
Slaty band or lump ...													
COAL ...													
				0	4	2							
				3	1	5							
Carried forward				7	2	9	Total ...				*15	0	4

* Approximate sea level 723½ feet below this

No. 992.—GREY MARE.

TOWNSHIP OF WHITTONSTALL, NORTHUMBERLAND.

Sheet 104 of Ordnance Map. Lat. 54° 53' 39", Long. 1° 56' 7".

Bored in the second place at Grey Mare, about 100 yards to the South from the first. July 5th, 1756.

Approximate surface level 875 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward				7	0	10
COAL, soft foul ...	0	1	6				Grey and blue metal	0	3	4			
Brown and grey scamy metal ...	1	3	0				COAL ...	0	0	8			
COAL, with water...	0	2	3								0	4	0
				2	1	9	Grey metal ...	0	2	0			
Blue metal ...	0	2	0				Grey metal stone ...	1	5	0			
COAL ...	0	1	6				COAL ...	0	1	1			
				0	3	6					2	2	1
Grey metal ...	0	0	9				Blue metal ...	0	1	6			
Strong grey post ...	0	2	0				COAL ...	0	0	4			
Grey metal, with girdles or lumps ...	2	1	0				Blue metal stone, with post girdles ...	1	3	0			
Black metal ...	0	0	3				Black metal, with girdles or lumps ...	0	2	0			
COAL ...	0	1	9				Grey metal ...	0	3	3			
				2	5	9							
Grey metal, with girdles or lumps ...	1	1	0				COAL ...						
COAL ...	0	0	10				Grey metal ...						
				1	1	10	COAL ...						
											0	4	6
Carried forward				7	0	10	In grey metal ...				3	2	7
											0	0	4
							Total ...				*13	3	10

* Approximate sea level 793½ feet below this.

No. 993.—GREY MARE.

TOWNSHIP OF WHITTONSTALL, NORTHUMBERLAND.

Sheet 104 of Ordnance Map. Lat. 54° 53' 41", Long. 1° 56' 3".

Bored in the third place at Grey Mare, about 100 yards E.N.E. from the second, and 30 yards from the House. 1756.

Approximate surface level 875 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward				8	2	1
Brown clay ...	0	3	0				Grey metal ...	0	1	0			
Soft brown metal, with water ...	0	5	0				Grey metal stone, with post girdles ...	1	2	3			
COAL ...	2	3					Black metal ...	0	1	0			
Blue metal ...	1	7					COAL ...	0	1	1			
COAL ...	1	6									1	5	4
Grey metal ...	0	6					Bluemetal, scared with coal ...	0	0	4			
COAL ...	0	10					Grey metal, with post girdles ...	0	4	0			
	1	0	8				COAL ...	0	0	4			
Grey metal ...	0	1	0				Blue metal ...	0	3	9			
Grey and brown scamy post, and settled the top feeder ...	1	0	0				Black metal, with gir- dles or lumps ...	0	2	0			
Grey and blue metal, with post girdles or lumps ...	3	0	0				Grey metal ...	0	4	2			
COAL ...	0	1	10				Black metal ...	0	0	6			
				4	2	10	COAL ...	2	2				
Blue metal ...	0	3	0				Grey metal ...	1	4				
COAL ...	0	0	8				COAL ...	0	2				
				0	3	8	Grey metal ...	0	9				
Grey metal ...	0	3	6				COAL ...	0	8				
COAL , foul... ..	0	0	5					0	5	1			
				0	3	11					3	2	2
Carried forward				8	2	1	In grey metal ...				0	0	5
							Total ...				*13	4	0

* Approximate sea level 793 feet below this.

No. 994.—GREY MARE.

TOWNSHIP OF WHITTONSTALL, NORTHUMBERLAND.

Sheet 104 of Ordnance Map. Lat. 54° 53' 39", Long. 1° 55' 46".

Bored in the fourth place at Grey Mare, about 30 yards W.N.W. from Grey Mare House. 1756.

Approximate surface level 936 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk ...				10	5	6	Brought forward	0	1	1	10	5	6
Grey metal ...	0	0	4				Grey and brown post	0	4	6			
COAL ...	0	0	9										
Carried forward	0	1	1	10	5	6	Carried forward	0	5	7	10	5	6

0

No. 994.—GREY MARE.—CONTINUED.

Brought forward						Brought forward									
	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.		
Grey metal, with post girdles or lumps ...	0	5	7	10	5	6	Grey metal ...	0	5	0	18	4	5		
COAL ...	2	0	0				Black metal ...	0	2	0					
	0	1	9				Grey post ...	1	0	0					
				3	1	4	Blue metal ...	0	0	6					
Grey metal ...	0	5	0												
COAL ...	0	0	8				COAL ...	Ft. In.							
				0	5	8	Grey metal ...	2	1						
Grey metal ...	0	0	6				COAL ...	0	6						
Grey metal stone, with post girdles ...	0	5	0				COAL ...	0	2						
COAL ...	0	0	6				Grey metal ...	0	8						
				1	0	0	COAL ...	0	9						
Grey metal ...	0	2	0							0	4	2			
Grey post ...	1	5	0									2	5	8	
							Grey metal ...	0	0	2					
COAL ...	Ft. In.						In grey post ...	0	1	4					
Grey metal ...	1	1													
Grey metal ...	1	6													
COAL ...	0	4													
				0	2	11							0	1	6
				2	3	11									
Carried forward				18	4	5	Total ...				*21	5	7		

* Approximate sea level 804½ feet below this.

No. 995.—GREY MARE.

TOWNSHIP OF WHITTONSTALL, NORTHUMBERLAND.

Sheet 104 of Ordnance Map. Lat. 54° 53' 45", Long. 1° 56' 8".

Boring in the fifth place at Grey Mare, about 80 yards North from the first.
4 fathoms 3 feet 9 inches under level.

Approximate surface level 795 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	0	6				Brought forward	3	0	0			
Brown sandy clay ...	1	0	0				Grey post, with brown						
Sand and gravel ...	0	2	0				partings ...	1	0	0			
Brown stony clay ...	0	2	0				Blue metal ...	0	3	0			
Brown sand and chan-							In grey post ...	0	0	6			
nel, with water ...	1	1	6								4	3	6
Carried forward	3	0	0				Total ...				*4	3	6

* Approximate sea level 767½ feet below this.

No. 996.—GUNNERTON FELL.

TOWNSHIP OF GUNNERTON, NORTHUMBERLAND.

Sheet 77 of Ordnance Map. Lat. _____, Long. _____

Boring on Gunnerton Fell to the North of the Dyke, by order of Mr. Richard Peck. 1734.

Approximate surface level _____ feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and sandy clay, with small sipings of water ...	7	0	6				Brought forward	12	2	10			
Grey sandy stone ...	0	1	6				COAL, with water (the water fell 3 fa- thoms in the bore- hole) ...	0	0	3			
Black grey metal ...	1	3	0				Grey metal, with small scares of coal ...	0	1	8			
Blue grey stone of a limestone nature, with water ...	0	2	10				White post ...	0	2	6			
White post ...	0	3	0				Black grey metal ...	0	2	4			
Open white post, mixed with whin ...	0	2	0				COAL ...	0	2	2			
White post girdles, with grey partings	2	2	0				Black grey thill ...	0	0	3			
											14	0	0
Carried forward	12	2	10				Total ...				14	0	0

No. 997.—HALTON.

TOWNSHIP OF AYDON CASTLE, NORTHUMBERLAND.

Sheet 86 of Ordnance Map. Lat. 55° 0' 1", Long. 2° 0' 10".

Bored about 20 yards South of the Burn and about 600 yards South from Halton. October 13th, 1757.

Approximate surface level 430 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and sandy clay ...	0	4	0			
In sand, with a siping of water and a small mix- ture of clay ...	3	3	0			
				4	1	0
Total ...				*4	1	0

* Approximate sea level 405 feet below this.

No. 999.—HALTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	22	0	1				Brought forward	26	3	0			
Grey and brown metal stone ...	0	2	0				Grey post, with black scamy partings ...	0	3	0			
A whin girdle ...	0	0	6				Strong white post, mixed with whin ...	0	1	3			
Grey post ...	1	0	0				Black metal, with white scames ...	0	4	6			
Black grey metal stone, with post girdles ...	0	5	0				Strong white post, mixed with whin ...	0	1	0			
Whin ...	0	2	0				White post, with black scames and water...	0	1	9			
Grey metal ...	0	1	0				Strong white post, mixed with whin ...	0	1	6			
Grey post ...	0	1	8				Black and grey metal	0	3	4			
Whin ...	0	1	9				In strong white post	0	2	8			
Grey post girdles and blue cashy partings	0	4	0						29	4	0		
Soft black cashy metal, scared with coal ...	0	1	6										
Blue metal ...	0	1	6										
Carried forward	26	3	0				Total ...				29	4	0

* Approximate sea level 317 feet below this.

No. 1,000.—HAMSTEELS.

TOWNSHIP OF BURNHOPE AND HAMSTEELS, DURHAM.

Sheet 19 of Ordnance Map. Lat. , Long.

*Account of Borings made on the Hamsteels Common, in the County of Durham.
No. 1 Hole, at the Bottom of Plantation, South of Clifford House. Commenced
May 29th, 1867.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	0	6				Brought forward	3	3	7	7	0	3
Yellow clay and sand	0	4	0				Blue metal, with partings ...	2	0	0			
Blue clay ...	5	0	0				Black stone ...	0	1	6			
				5	4	6	Grey metal ...	0	3	9			
Yellow rotten stone...	0	2	0				COAL ...	0	0	2			
Soft blue metal ...	0	3	6				Seggar clay ...	0	5	3			
Rotten post ...	0	2	0				COAL ...	0	1	3			
COAL ...	0	0	3								7	3	6
				1	1	9							
White post ...	3	3	7				Total ...				14	3	9
Carried forward	3	3	7	7	0	3							

TOWNSHIP OF BURNHOPE AND HAMSTEELS, DURHAM.

No. 2 Hole, in Plantation North-west of No. 1 Hole. June 19th, 1867.

Approximate surface level feet above sea (Ordinance datum).

						Fa.	Ft.	In.	Fa.	Ft.	In.
Yellow clay	...	...	...	...	...	0	5	0			
Blue clay	...	...	...	...	...	9	1	9			
						<hr/>					
									10	0	9
						<hr/>					
Total	...	...	...	...	...				10	0	9
						<hr/> <hr/>					

TOWNSHIP OF BURNHOPE AND HAMSTEELS, DURHAM.

No. 8 Hole, down Fence, South-west of Clifford House. June 24th, 1967.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Yellow clay	0	4	6				Brought forward				11	0	9
Blue clay	6	5	3				Grey metal	2	0	8			
				7	3	9	Brown post, with						
Rotten yellow stone...	0	1	9				metal partings ...	0	3	9			
Grey metal	0	0	9				Brown post	4	2	4			
Grey metal, with white							Blue metal	0	1	7			
post girdles	1	0	3				COAL	0	3	6			
Strong white post ...	0	2	0								7	5	10
Grey metal	1	3	3				Black metal	0	0	7			
Black stone	0	0	2				Grey metal	0	2	3			
Brown post	0	0	7								0	2	10
COAL	0	0	3										
				3	3	0							
Carried forward				11	0	9	Total				19	8	5

No. 1,003.—HAMSTEELS.

TOWNSHIP OF BURNHOPE AND HAMSTEELS, DURHAM.

Sheet 19 of Ordnance Map. Lat. Long.*No 4 Hole, in the Field East of Quebec Cottages, to the Stone Head.*

Approximate surface level feet above sea (Ordnance datum).

							Fs.	Ft.	In.	Fs.	Ft.	In.
Blue clay	...	...	...	...	...	...	2	3	0			
							<u>2 3 0</u>					

No. 1,004.—HAMSTEELS.

TOWNSHIP OF BURNHOPE AND HAMSTEELS, DURHAM.

Sheet 19 of Ordnance Map. Lat. Long.*No. 5 Hole, North-east of Quebec Cottages.*

Approximate surface level feet above sea (Ordnance datum).

							Fs.	Ft.	In.	Fs.	Ft.	In.
Blue clay	...	...	...	...	...	...	1	0	0			
Rubble stone	...	...	...	...	...	...	0	4	0			
							<u>1 4 0</u>					
Total	...	...	...	...	...	...	<u>1 4 0</u>					

No. 1,005.—HAMSTEELS.

TOWNSHIP OF BURNHOPE AND HAMSTEELS, DURHAM.

Sheet 19 of Ordnance Map. Lat. Long.*No. 6 Hole, West of Quebec Cottages.*

Approximate surface level feet above sea (Ordnance datum).

							Fs.	Ft.	In.	Fs.	Ft.	In.
Yellow clay	...	...	...	...	...	...	0	5	0			
Rubble stone	...	...	...	...	...	...	0	2	0			
							<u>1 1 0</u>					
Total	...	...	...	...	...	...	<u>1 1 0</u>					

No. 1,006.—HAMSTEELS.

TOWNSHIP OF BURNHOPE AND HAMSTEELS, DURHAM.

Sheet 19 of Ordnance Map. Lat. , Long.

No. 7 Hole, in the Field North-west of Quebec Cottages. July 16th, 1867.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Yellow clay	0	4	0				Brought forward	17	3	1				
Brown post	0	3	0				Grey metal	2	2	10				
Brown and white post	2	4	4				Black metal	0	0	7				
COAL	0	0	6	3	5	10	COAL	0	0	4				
Brown and white post	0	3	0				Grey metal	0	4	3	2	3	9	
Grey metal	0	5	1				White post	2	4	0				
Black metal	0	4	10				Black metal	0	0	2				
COAL	0	0	10	2	1	9	COAL	0	0	11				
Seggar clay	0	2	10								3	4	4	
Grey metal and post							Seggar clay	0	2	2				
girdles	2	0	1				Grey metal and post							
COAL	0	0	2	2	3	1	girdles	0	4	0				
Grey metal and post							White post	0	4	2				
girdles	3	1	4				Grey metal	0	0	7				
Dark metal	0	1	5				<i>Brockwell Seam—</i>							
COAL—Busty	0	2	5											
				3	5	2	COAL	2	2					
Dark metal and coal	0	1	0				COAL, foul	0	4					
Grey metal and post										0	2	6		
girdles	0	1	9									2	1	5
White post	0	2	9				Grey metal	0	1	0				
Grey metal and post							Grey metal and post							
girdles	0	3	0				girdles	0	3	6				
<i>Bored further, Oct.</i>							White post	5	5	8				
<i>29th, 1867:—</i>							COAL	0	0	8 ¹ / ₂				
White post and metal											6	4	10 ¹ / ₂	
partings	2	0	0				Seggar clay	0	0	9				
Black metal	0	0	3				Grey metal and post							
Grey metal	0	0	3				girdles	0	3	0				
COAL	0	0	4	3	3	4	Grey post	2	2	0				
Dark grey metal	0	1	0 ¹ / ₂				COAL	0	0	4				
COAL	0	0	5 ¹ / ₂	0	1	6					3	0	1	
Seggar clay	0	1	8				Grey metal and post							
Brown post and metal							girdles	1	0	9				
partings	0	0	7				Grey post	0	2	2				
Blue metal	0	0	7				Black metal	0	0	2				
Black metal	0	0	5				Grey metal	0	0	2				
Grey metal	0	1	10				Grey post and parting	0	5	0				
COAL	0	0	4	0	5	5	White post	0	1	0				
Brown post	0	0	6				Grey post	1	0	3				
COAL	0	0	9	0	1	3					3	3	6	
Carried forward	17	3	1				Total				39	3	34	

NORTHUMBERLAND AND DURHAM.

No. 1,007.—HAMSTEELS.

TOWNSHIP OF BURNHOPE AND HAMSTEELS, DURHAM.

Sheet 19 of Ordnance Map. Lat. , Long.

No. 8 Hole, along the Wall, by the Brook, at Blackburn, in the Field West of the Cottages. 1868.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Sand and gravel	3	3	0			
				3	3	0

No. 1,008.—HAMSTEELS.

TOWNSHIP OF BURNHOPE AND HAMSTEELS, DURHAM.

Sheet 19 of Ordnance Map. Lat. , Long.

No. 9 Hole, below Blackburn Cottage. August 5th, 1867.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	0	10				Brought forward	7	0	10	5	5	8
Yellow clay	0	2	0				White post, with metal						
Brown clay	0	5	8				partings	0	2	6			
Brown and white post							Grey metal	0	1	3			
mixed	1	0	0				Dark metal	0	0	10			
White post	0	0	7				COAL	0	0	4			
Rotten yellow post ...	0	0	5								7	5	9
Strong white post ...	1	2	10				Grey metal	1	3	3			
Rotten brown post ...	0	0	9				Brown post	0	2	6			
Blue metal, with							Grey metal	1	4	6			
white post girdles...	0	2	1½				Grey metal, with white						
COAL	0	1	6				post partings ...	0	4	4			
				4	4	8½	Brown and white post						
Seggar clay	0	1	3				mixed	3	0	0			
Blue metal	0	3	8½				Brown post	1	2	10			
COAL	0	2	0										
				1	0	11½							
Dark metal	0	1	9				COAL						
Grey metal	2	2	1				Ft. In.						
White post	3	2	9				... 1 0						
Yellow post	0	3	6				Dark grey metal	1	5				
Dark metal	0	0	6				COAL	1	9				
Grey metal, with white											0	4	2
post girdles	0	2	3										
											9	3	7
Carried forward	7	0	10	5	5	8	Grey metal				0	3	0
							Total				24	0	0

No. 1,009.—HAMSTEELS.

TOWNSHIP OF BURNHOPE AND HAMSTEELS, DURHAM.

Sheet 19 of Ordnance Map. Lat. , Long.

No. 10 Hole, below the Tile Sheds. August 31st, 1867.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	0	4				Brought forward	5	4	9	16	0	0
Yellow clay	0	2	2				Brown post, with water	0	3	0			
Blue clay	14	2	10				Blue metal	0	2	2			
Stony clay	1	0	8				White post	0	0	5			
				16	0	0	Blue metal, with white and brown post partings	1	3	1			
Yellow post, with water	2	2	8				Blue metal	0	0	10			
Yellow post	1	0	11				Black metal	0	0	6			
Yellow post, with soft brown partings ...	0	1	9				COAL	0	2	11	8	5	8
White post, with water	0	1	0										
Brown and white post mixed	1	4	5										
Carried forward	5	4	9	16	0	0	Total				24	5	8

No. 1,010.—HAMSTEELS.

TOWNSHIP OF BURNHOPE AND HAMSTEELS, DURHAM.

Sheet 19 of Ordnance Map. Lat. , Long.

No. 11 Hole, West of the Tile Sheds. December 2nd 1867.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	0	4			
Yellow clay	0	2	0			
Brown stony clay ...	11	1	4			
Blue clay	1	1	4			
Brown clay	7	2	0			
				20	1	50
Total				20	1	0

No. 1,011.—HAMSTEELS.

TOWNSHIP OF BURNHOPE AND HAMSTEELS, DURHAM.

Sheet 19 of Ordnance Map. Lat. , Long.

No. 12 Hole, West of the Tile Sheds. December 18th, 1867.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	0	5			
Clay	4	1	9			
Brown stony clay	5	0	10			
Blue clay and sand partings	0	4	0			
Brown boulder clay	5	0	6			
Sand	0	1	0			
Boulder clay	4	3	6			
				20	0	0
Total				20	0	0

No. 1,012.—HAMSTEELS.

TOWNSHIP OF BURNHOPE AND HAMSTEELS, DURHAM.

Sheet 19 of Ordnance Map. Lat. , Long.

No. 13 Hole, on West Side of Tile Sheds. January 6th, 1868.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	0	6				Brought forward	0	1	3	10	0	4
Yellow clay	0	5	0				Brown clay, mixed						
Brown clay, with							with coal, sand, and						
gravel	3	4	6				gravel	4	1	5			
Brown clay, mixed							Sand, with water ...	0	1	0			
with coal and gravel	2	5	0				Rotten brown post ...	0	4	0			
Brown clay, with sand							Brown post, with sand						
partings	0	3	0				partings	1	0	3			
Brown clay, mixed							Brown and white post						
with coal and white							mixed	1	2	1			
and yellow post ...	2	0	4				Rotten brown post ...	0	3	10			
				10	0	4	Black metal	0	0	3			
Strong white post ...	0	1	3				COAL	0	3	0			
											8	5	1
Carried forward	0	1	3	10	0	4	Total				18	5	5

No. 1,013.—HAMSTEELS.

TOWNSHIP OF BURNHOPE AND HAMSTEELS, DURHAM.

Sheet 19 of Ordnance Map. Lat. Long.

No. 14 Hole, on West Side of Tile Sheds. January 15th, 1868.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	0	8				Brought forward	4	1	0	11	2	
Yellow clay ...	0	3	0				Brown post, with sand						
Brown stony clay ...	2	0	4				partings ...	0	5	2			
Brown stony clay, with							Dry rotten brown post	0	2	2			
water ...	3	3	0				Blue metal ...	0	1	2			
Brown sand, mixed							Yellow post ...	0	1	0			
with coal and gra-							White post ...	0	2	8			
vel ...	5	1	0				Grey post ...	0	1	6			
				11	2	0	Dark metal ...	0	0	2			
Rotten brown post ...	0	4	0				COAL ...	0	3	6			
Brown post, with water	0	4	0								7	0	
Brown post ...	2	5	0				Black metal ...				0	0	
Carried forward	4	1	0	11	2	0	Total ...				18	2	

No. 1,014.—HAMSTEELS.

TOWNSHIP OF BURNHOPE AND HAMSTEELS, DURHAM.

Sheet 19 of Ordnance Map. Lat. , Long.

No. 15 Hole, in Mr. Forster's Ling Pasture Field. February 5th, 1868.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Yellow clay ...	0	2	8				Brought forward	2	0	7	6	1	
Brown strong clay ...	0	5	7				Grey metal ...	0	1	6			
Brown shaly post ...	4	3	5				White post ...	2	4	8			
Grey metal ...	0	1	1				Grey metal ...	0	1	1			
COAL ...	0	1	0				COAL ...	0	0	9			
				6	1	9					5	2	
Seggar clay ...	0	0	9				Grey metal ...	0	2	2			
White post ...	0	2	2				Dark metal ...	0	1	6			
Grey metal, with white							Blue metal ...	1	4	6			
post girdles ...	1	0	4				Black metal ...	0	0	6			
Grey metal ...	0	2	4				COAL ...	0	3	3			
Black metal, with coal											2	5	
mixture ...	0	1	0				Thill stone ...				0	0	
Carried forward	2	0	7	6	1	9	Total ...				14	4	

No. 1,015.—HAMSTEELS.

TOWNSHIP OF BURNHOPE AND HAMSTEELS, DURHAM.

Sheet 19 of Ordnance Map: Lat. _____, Long. _____

No. 16 Hole, at Blackburn, in a Field East of Biggin Road. February 24th, 1868.

Approximate sea level _____ feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Soil	0	0	3				Brought forward	5	1	0	10	1	2	
Yellow clay	0	1	11				White post	0	3	0				
Brown sandy clay	6	3	4				Blue metal, with white							
				6	5	6	post girdles	0	3	3				
Rotten yellow post	0	4	6				White post	0	1	6				
Brown post	1	1	6				Grey post	0	3	0				
White post	0	2	0				Brown and white post	0	2	6				
White and brown post	0	4	8				Blue metal	0	1	6				
COAL	0	1	0				White post	1	0	2				
				3	1	8	Blue metal	0	1	4				
Seggar clay	0	1	0				Dark metal	0	0	6				
Grey metal, with white														
post girdles	1	5	6				COAL	0	9					
Black metal, with <i>coal</i>							Band	0	11					
<i>mixtures</i>	0	0	10				COAL	1	9					
Grey metal, with white											0	3	5	
post girdles	2	2	4											
Grey post	0	1	0									9	3	2
Blue metal, with white							Thill stone					0	0	2½
post girdles	0	2	4											
Carried forward	5	1	0	10	1	2	Total					19	4	6½

No. 1,016.—HAMSTEELS.

TOWNSHIP OF BURNHOPE AND HAMSTEELS, DURHAM.

Sheet 19 of Ordnance Map. Lat. 54° 48' 9", Long. 1° 44' 34".

No. 17 Hole, in middle of Field West of Tile Sheds. March 23rd, 1868.

Approximate surface level 610 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	0	6				Brought forward				10	3	0
Yellow clay	0	2	0				Sand, with water	0	3	0			
Blue clay, with stones	1	4	0				Sand and gravel	1	0	0			
Blue clay	8	2	6				Sand and gravel, mixed						
				10	3	0	with coal	0	4	6			
											2	1	6
Carried forward				10	3	0	Carried forward				12	4	6

No. 1,016.—HAMSTEELS.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				12	4	6	Brought forward	1	5	6	17	0	9
Rotten yellow post ...	2	1	2				Brown post ...	1	0	0			
COAL ...	0	0	10				White post ...	0	2	0			
COAL , mixed with							White and brown post	1	1	10			
brown post ...	0	0	3				Brown post, with water	2	4	4			
				2	2	3	Blue metal ...	0	5	4			
Grey metal, with white							White post ...	0	1	6			
post girdles ...	0	3	8				Blue metal, with white						
White and grey post	1	1	10				post girdles ...	0	4	8			
COAL ...	0	0	6				Dark metal ...	0	0	5			
				2	0	0	COAL ...	0	3	9			
Grey metal ...	0	3	0								9	5	4
Rotten and brown post	1	2	6										
Carried forward	1	5	6	17	0	9	Total ...				<u>*27</u>	<u>0</u>	<u>1</u>

* Approximate sea level 448 feet below this.

No. 1,017.—HAMSTEELS.

TOWNSHIP OF BURNHOPE AND HAMSTEELS, DURHAM.

Sheet 19 of Ordnance Map. Lat. , Long.

No. 18 Hole, up Hedgeside, to North of Tile Sheds. March 23rd 1868.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	0	6				Brought forward	0	2	3	9	1	2
Rotten brown post,							Grey metal, with white						
with gravel ...	1	4	2				post girdles ...	2	3	3			
Strong brown post ...	0	3	0				White and brown post	0	4	11			
Rotten brown post ...	1	3	0				Grey metal ...	0	1	10			
Blue metal ...	0	4	1				White post ...	0	1	7			
Yellow and white post	2	0	5				Grey metal ...	0	1	10			
Dark metal ...	0	1	7				Black metal ...	0	1	3			
Light grey metal ...	1	0	3				COAL ...	0	2	3			
Black metal ...	1	1	6								5	1	2
COAL ...	0	0	8										
				9	1	2	Seggar ...	0	1	11			
Seggar clay ...	0	2	3				White post ...	0	2	2			
											0	4	1
Carried forward	0	2	3	9	1	2	Total ...				<u>15</u>	<u>0</u>	<u>5</u>

No. 1,019.—HAMSTEELS.

TOWNSHIP OF BURNHOPE AND HAMSTEELS, DURHAM.

Sheet 19 of Ordnance Map. Lat. , Long.

Account of the Boring in Milton House Royalty, near Hamsteels. July 28th, 1870.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay ...	0	3	0				Brought forward				23	1	3
Brown post ...	4	0	6				Grey metal, with post						
COAL ...	0	1	5				girdles ...	4	0	0			
				4	4	11	Brown and grey post	3	4	0			
Grey shale ...	4	5	6				Grey shale ...	1	0	0			
Black shale ...	0	0	6				COAL ...	0	1	0			
COAL ...	0	0	7								8	5	0
Grey shale, with post							Grey shale ...	0	2	0			
girdles ...	2	5	0				COAL ...	0	0	5			
COAL ...	0	1	9				Grey shale ...	2	0	0			
				8	1	4	White post, with brown						
Grey shale ...	1	1	6				partings ...	5	0	0			
Brown and grey post	2	1	0				Grey shale stone	2	3	0			
Grey shale stone ...	0	4	0				COAL ...	0	0	8			
Brown and grey post,							Grey shale ...	0	1	6			
with partings ...	1	4	0				White post ...	2	1	0			
Grey shale, with post											12	2	7
girdles ...	4	1	4										
COAL ...	0	1	2										
				10	1	0							
Carried forward				23	1	3	Total ...				44	2	10

No. 1,020.—HAMSTEELS.

TOWNSHIP OF BURNHOPE AND HAMSTEELS, DURHAM.

Sheet 19 of Ordnance Map. Lat. , Long.

Section of the Strata in the Taylor Pit, Hamsteels Colliery. 1868.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay ...				16	0	0	Brought forward	8	2	9	16	0	0
Yellow post and water	3	3	7				<i>Brockwell Seam—</i>						
Yellow post and soft													
partings ...	0	1	9				COAL ...	0	6				
White post and water	0	1	0				Band ...	0	0 $\frac{1}{2}$				
Brown and white post	1	4	5				COAL ...	2	4 $\frac{1}{2}$				
Brow post and water	0	3	0								0	2	11
Blue metal ...	0	2	2								8	5	8
White post ...	0	0	5				Seggar ...				0	2	6
Blue metal ...	1	4	5										
Carried forward	8	2	9	16	0	0	Total ...				25	2	2

No. 1,021.—HAMSTERLEY.

TOWNSHIP OF MEDOMSLEY, DURHAM.

Sheet 11 of Ordnance Map. Lat. , Long.

Bored in Hamsterley Ground, in Shafto's Plain, near the South Field House.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and brown clay...	0	3	0				Brought forward	6	0	0			
Brown stony clay ...	1	3	3				Soft blue clay ...	0	1	6			
Sand, with a small							Black stony clay ...	1	3	0			
spring of water ...	0	3	9				Soft blue clay, mixed						
Soft clay, mixed with							with sand ...	0	2	0			
sand ...	0	3	0				Brown sand ...	0	1	0			
Sand, mixed with clay	1	0	0				Soft blue clay, mixed						
Black sand and coal,							with sand ...	0	2	0			
with water ...	0	3	0				Black stony clay ...	1	3	0			
Brown sand ...	0	2	0				Clay, mixed with sand	0	2	6			
Brown and black sand,							Black stony clay ...	4	0	0			
with water ...	1	0	0								14	3	0
Carried forward	6	0	0				Total ...				14	3	0

No. 1,022.—HAMSTERLEY.

TOWNSHIP OF MEDOMSLEY, DURHAM.

Sheet 11 of Ordnance Map. Lat. about Long.

Second Hole, in South-west part of the Ground, near Medomsley Lane.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and brown clay...	0	3	0				Brought forward	2	5	3			
Soft brown and grey							Grey and brown metal	1	2	0			
metal ...	0	1	6				Whin girdle ...	0	0	4			
Soft rotten coal, with							Grey and brown metal,						
water ...	0	3	4				with grey girdles ...	1	4	6			
Soft grey metal ...	1	0	0				Brown and grey scamy						
COAL, soft...	0	0	9				stone, with post ...	1	2	6			
Black grey metal ...	0	0	3				Brown post, with red						
COAL, with water...	0	0	7				and brown partings	2	4	0			
Soft grey metal ...	0	1	8								10	0	7
COAL ...	0	0	2										
Carried forward	2	5	3				Total ...				10	0	7

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No. 1,023.—HAMSTERLEY.

TOWNSHIP OF MEDOMSLEY, DURHAM.

Sheet 11 of Ordnance Map. Lat. , Long.

Third Hole, West Side of the Lane, in the Pasture Ground.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and sandy gravel, with water ...	0	4	8				Brought forward	7	4	8			
Stony clay ...	1	1	6				Grey post, with much water ...	0	0	6			
Brown and grey sandy post, with brown scamy partings (set away the water) ...	1	3	0				Grey post, with brown scamy partings ...	0	3	0			
Grey and brown post girdles, with brown, grey, and black scamy partings ...	2	1	8				Brown and grey sandy stone, with water...	2	2	0			
Open grey and brown post, with much water ...	1	0	0				Grey post girdles ...	0	0	8			
Strong grey post ...	0	2	4				Soft brown and sandy post ...	0	1	0			
Soft grey and black scamy post ...	0	0	10				Black metal ...	0	1	0			
Grey and brown post	0	1	8				Blue and brown metal	0	5	0			
Soft black danty metal, with coal ...	0	1	0				Soft black metal, with black girdles ...	1	0	9			
Carried forward	7	4	8				Black metal ...	0	2	0			
							COAL , with water...	0	0	11			
							Grey metal, with brown scames ...	0	1	0			
											13	4	
							Total ...				13	4	

No. 1,024.—HAMSTERLEY.

TOWNSHIP OF MEDOMSLEY, DURHAM.

Sheet 11 of Ordnance Map. Lat. Long.

Fourth Hole, in the High Part of the Wood.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and stony clay ...	1	4	6				Brought forward	2	0	2			
Sand, with a small feeder of water ...	0	1	8				Stony clay ...	5	0	0			
Carried forward	2	0	2				Blue metal ...	0	1	4			
							Carried forward	7	1	6			

No. 1,024.—HAMSTERLEY.—CONTINUED.

	Fa.	Ft.	In.	Fa.	Ft.	In.		Fa.	Ft.	In.	Fa.	Ft.	In.
Brought forward	7	1	6				Brought forward				10	2	7
Soft black metal, with girdles ...	1	1	10				Grey metal or thill ...	0	1	0			
COAL, with water...	0	1	1				Brown metal...	0	0	8			
				8	4	5	Brown and blue scamy metal ...	0	3	4			
Grey metal, with brown scames ...	0	2	0				Grey post girdles, with blue scamy partings	0	4	6			
White grey metal ...	0	3	0								1	3	6
Blue metal, with cat-heads ...	0	3	6										
Black metal, scared with coal ...	0	0	8										
COAL ...	0	1	0										
				1	4	2							
Carried forward				10	2	7	Total ...				12	0	1

No. 1,025.—HAMSTERLEY.

TOWNSHIP OF MEDOMSLEY, DURHAM.

Sheet 11 of Ordnance Map. Lat. , Long.

Fifth Hole, in the middle of the Wood.

Approximate surface level feet above sea (Ordnance datum).

	Fa.	Ft.	In.	Fa.	Ft.	In.		Fa.	Ft.	In.	Fa.	Ft.	In.
Soil and stony clay ...	1	5	6				Brought forward	6	5	11			
Soft grey metal ...	0	1	6				Black and blue metal	0	3	0			
Grey metal, mixed with coal ...	0	0	6				COAL, with water ...	1	0				
Grey and brown scamy metal ...	0	3	0				Blue metal ...	0	1				
Black slaty metal ...	0	0	2				COAL, with water ...	2	0				
COAL, with a small sipping of water ...	0	0	7							0	3	1	
Grey metal or thill ...	0	1	0								8	0	0
Brown metal, with brown girdles ...	0	1	8				Grey metal or thill ...	0	1	0			
Grey post girdles, with metal partings ...	1	0	0				Grey post ...	0	1	0			
Grey post girdles, with water ...	1	1	0				Grey metal ...	0	4	0			
Blue and brown scamy metal, with brown and grey post girdles	1	3	0				COAL ...	0	0	9			
							Black slaty metal ...	0	0	9			
Carried forward	6	5	11				Grey metal ...	0	1	6			
							COAL ...	0	0	6			
							Grey metal ...	0	3	0			
											2	0	6
							Total ...				10	0	6

No. 1,026.—HAMSTERLEY.

TOWNSHIP OF MEDOMSLEY, DURHAM.

Sheet 11 of Ordnance Map. Lat. , Long.

Sixth Hole, in the Pasture Ground, near the bottom of the Wood.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and brown gravelly clay, with a small sipping of water near the bottom ...	1	0	0				Brought forward	4	1	0			
Blue and brown scamy metal ...	1	0	0				Brown metal, with grey scames ...	1	1	0			
Blue and black metal ...	0	1	6				Blue and black metal ...	0	3	6			
COAL ...	0	0	8				COAL, with water ...	0	2	3			
Soft black and brown metal ...	0	0	10				Black metal ...	0	0	9			
Brown and grey open post, with brown scamy partings and water ...	1	4	0				Grey metal ...	1	3	0			
							Whin girdle ...	0	0	6			
Carried forward	4	1	0				Grey metal ...	1	0	0			
							COAL ...	0	0	6			
							Grey metal ...	0	5	8			
											10	0	2
							Total ...				10	0	2

No. 1,027.—HAMSTERLEY.

TOWNSHIP OF MEDOMSLEY, DURHAM.

Sheet 11 of Ordnance Map. Lat. , Long.

Strata bored through in Hamsterley Estate, belonging to Robert Surtees, Esq.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Strong grey and brown post ...	4	0	0				Brought forward	5	3	1	11	5	11
Black metal, mixed with coal ...	0	0	6				Grey metal ...	0	5	0			
Brown metal ...	0	1	6				Brown post, mixed with whin ...	0	1	6			
Grey metal ...	2	4	0				Grey and brown metal girdles ...	2	0	9			
COAL ...	0	0	10				Grey post ...	0	4	0			
				7	0	10	Grey metal girdles ...	6	0	0			
Brown metal ...	4	2	0				Grey post, with water	7	0	0			
Grey and brown metal, mixed with whin ...	0	2	6				Grey metal ...	7	1	4			
COAL ...	0	0	7				Grey post ...	0	4	0			
				4	5	1	Grey metal ...	1	4	4			
Brown post ...	0	1	6				Into whin (got, March 30th) ...	0	2	5			
Black grey metal ...	0	3	0								32	2	5
Grey and brown metal	2	2	7										
Whin (got, Oct. 14th; through, Dec. 14th)	2	2	0										
Carried forward	5	3	1	11	5	11	Total ...				44	2	4

No. 1,028.—HARBOUR HOUSE.

TOWNSHIP OF FRAMWELLGATE, DURHAM.

Sheet 20 of Ordnance Map. Lat. _____, Long. _____

Account of a Boring at Harbour House, 100 yards East of the Boathouse, by the River-side.

Approximate surface level feet above sea (Ordnance datum).

					Fs.	Ft.	In.	Fs.	Ft.	In.
Soil, sand, clay, &c. ...	...	...	...	...	2	0	0			
Stone, &c. (to <i>Hutton Seam</i>)	...	...	...	...	6	0	0			
								8	0	0
Total	...	...	...	...				8	0	0

No. 1,029.—HARBOUR HOUSE.

TOWNSHIP OF FRAMWELLGATE, DURHAM.

Sheet 20 of Ordnance Map. Lat. _____, Long. _____

Account of a Boring, 300 yards East from the Burn running through the Harbour House Estate.

Approximate surface level feet above sea (Ordnance datum).

					Fs.	Ft.	In.	Fs.	Ft.	In.
Sand, clay, and gravel	...	...	...	...	7	3	0			
Shale, &c. ...	...	...	...	...	1	3	0			
COAL— <i>Hutton Seam</i>	...	...	...	...	0	4	4			
								9	4	4
Total	...	...	...	...				9	4	4

No. 1,030.—HARBOUR HOUSE.

TOWNSHIP OF FRAMWELLGATE, DURHAM.

Sheet 20 of Ordnance Map. Lat. $54^{\circ} 49' 33''$, Long. $1^{\circ} 33' 24''$.*Strata sunk through in the Northernmost Shaft at Harbour House, the surface being about 12 fathoms above River.*

Approximate surface level 105 feet above sea (Ordnance datum).

					Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay ...	...	...	...	...	1	0	3			
Freestone, &c. ...	...	...	...	...	8	2	0			
COAL— <i>Brass Thill Seam</i>	...	...	...	...	0	2	7			
								9	4	10
Freestone, shale, &c. (to top of <i>Hutton Seam</i>)	...							5	4	6
Total	...	...	...	...				*15	3	4

* Approximate sea level $11\frac{1}{2}$ feet below this.

No. 1,031.—HARBOUR HOUSE MOOR.

TOWNSHIP OF FRAMWELLGATE, DURHAM.

Sheet 20 of Ordnance Map. Lat. about $54^{\circ} 49' 13''$, Long. $1^{\circ} 33' 51''$.

Approximate surface level 40 feet above sea (Ordnance datum).

Account of a Boring in Harbour House Moor, near Cocken Ford, on the West Side of the River.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Sand, with gravel	3	0	0			
Sand	3	0	0			
Gravel	0	4	0			
	1	2	0			*
Soft clay	3	0	0			
Soft sand	1	0	0			
Gravel	3	0	0			
Into grey post (No Hutton Seam.)						
				15	0	0
Total				15	0	0

* Approximate sea level (Ordnance datum).

No. 1,032.—HARBOUR HOUSE MOOR.

TOWNSHIP OF FRAMWELLGATE, DURHAM.

Sheet 20 of Ordnance Map. Lat. $54^{\circ} 49' 9''$, Long. $1^{\circ} 33' 51''$.*Strata bored through in Harbour House Moor, near Cocken Ford.*

Approximate surface level 45 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sand, with gravel ...	3	0	0				Brought forward	15	0	2			
Sand, with large tumblers ...	3	2	0				Strong grey post girdle	0	0	9			
	0	2	0				Soft freestone ...	0	2	10			
Gravel, with water {	1	5	0			*	Hard grey whin ...	0	0	9½			
Soft clay, mixed with sand and water ...	2	3	0				Strong grey post ...	3	3	9			
Soft sand, very quick	1	0	0				Hard grey whin, with water ...	0	1	4			
Soft sand, with gravel and water ...	3	0	2				Strong grey post ...	1	4	3			
							Dark grey metal ...	1	0	0			
Carried forward	15	0	2				COAL, coarse ...	0	1	4			
											22	3	2½
							Carried forward				22	3	2½

* Approximate sea level (Ordnance datum).

No. 1,032.—HARBOUR HOUSE MOOR.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				22	3	2½	Brought forward	5	3	2	33	3	2½
Dark grey metal ...	1	4	3				Strong white post, with water ...	2	0	0½			
Dark post, with metal partings and water	3	4	1				Grey metal, inclining to post ...	2	4	11			
Strong grey metal, with post girdles ...	3	0	0				Strong white post ...	5	2	5			
Grey metal, with partings ...	1	5	0½				Grey post ...	2	0	0			
Hard post girdle ...	0	0	9				Strong white post, with girdles and water...	2	0	0			
Strong grey metal ...	0	3	0				Dark grey metal, mixed with coal ...	0	1	4			
Blue metal ...	0	0	6				COAL, good ...	0	1	10			
COAL, foul ...	0	0	4								20	1	8½
				10	5	11½	Strong grey metal ...	0	1	3			
Grey metal thill ...	0	2	0				Strong white post ...	5	2	10½			
Strong grey metal, with partings ...	5	0	6								5	4	1½
Grey whin girdles ...	0	0	8										
Carried forward	5	3	2	33	3	2½	Total ...				59	3	0½

No. 1,033.—HARDWICK.

TOWNSHIP OF GRINDON, DURHAM.

Sheet 44 of Ordnance Map. Lat. , Long.

Account of the Borings in Hardwick Estate.

First place, near Thorp Leazes, about a quarter of a mile West of Grindon, and about 100 yards West of the Turnpike Road leading to Stockton. May 30th, 1810.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	0	9				Brought forward	13	5	0			
Brown stony clay ...	1	0	0				Gravelly clay, with a mixture of sand ...	0	3	0			
Brown stony clay, with sandy partings ...	5	5	3				Stony clay, with whin tumblers ...	4	5	0			
Sandy gravel, with a sipping of water ...	0	1	3				Sand ...	0	2	0			
Brown stony clay, with sandy partings ...	4	2	9				Stony clay ...	0	2	3			
Sand and gravel ...	0	4	0				Sand, with water near the bottom ...	2	0	9			
Brown stony clay ...	1	3	0								22	0	0
Carried forward	13	5	0				Total ...				22	0	0

No. 1,034.—HARDWICK.

TOWNSHIP OF GRINDON, DURHAM.

Sheet 50 of Ordnance Map. Lat. _____, Long. _____

*Second place, in one of Mr. Stonehouse's Fields, near the Brook side, by Thorp.
June 19th, 1810.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	2	0				Brought forward				18	3	6
Stony clay	4	4	0				Light brown thready						
Leafy clay	0	3	6				limestone, with part-						
Sand	1	4	0				ings, and a very						
Leafy clay	0	3	0				strong feeder of						
Sand	0	3	6				water at 19½ fathoms	1	0	0			
Leafy clay	0	4	0				Layers in beds of lime-						
Brown stony clay, with							stone from 6 to 9						
hard tumblers	7	1	0				inches thick, with						
Red stony clay	0	3	0				marly partings from						
Red and grey metal							2 to 3 inches thick	6	3	0			
or marl	1	5	6								7	3	0
				18	3	6							
Carried forward ...				18	3	6	Total				26	0	6

Put in 9 fathoms of large round boxes and 18 fathoms of small boxes.

N.B.—This hole was lost by the boxes failing. The water came in such force as to wash all away behind the boxes, and one of the splices then failing the rods got behind them in the clay.

No. 1,035.

*Third place, below Blakeston, near the Oak Plantation.
June 20th, 1810.*

	Fs.	Ft.	In.
In sand, with water	2	0	0

No. 1,036.

*Fourth place, about 400 yards West from the above when the
Red Gravel appears.*

	Fs.	Ft.	In.
Sand and gravel	1	2	0

No. 1,037.

*Fifth place, in the West Side of the Field below Mr. Stonehouse's,
by the Brook side.*

	Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	6			
Soft clay, with a whin tumbler at bottom ...	1	1	6			
				1	3	0

No. 1,038.

Sixth place, 10 yards East from the above.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	6			
Soft clay	0	4	6			
				1	0	0

NORTHUMBERLAND AND DURHAM.

No. 1,039.—HARDWICK.

TOWNSHIP OF SEDGECFIELD, DURHAM.

Sheet 44 of Ordnance Map. Lat. , Long.

Hole bored in Hardwick Estate, South-east from Layton. November 29th, 1810.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	0				Brought forward				32	5	0
Stony clay, with tumblers	5	1	0				Soft whitish brown marly limestone, with hard girdles, and set away some water at 36 fathoms, and raised some at 38 fathoms ...	8	1	4			
Sand	0	4	0				Red marl	0	1	6			
Stony clay, with tumblers	8	3	0				Limestone, with water	0	1	2			
Sand	3	0	0				Red and brown marl	0	2	0			
Sand, with a mixture of clay	1	0	0				Strong whitish brown limestone	0	0	6			
Stony clay	5	0	0				Marly partings and thin girdles ...	1	0	0			
Sandy brown limestone tumbler	0	0	5				Whitish limestone ...	0	5	6			
Stony clay	3	0	0				Soft marly limestone	3	2	0			
Leafy clay, with scares of sand	1	0	0								14	2	0
Stony clay	5	1	7				Soft marly limestone, with hard nodules or girdles				7	0	0
				32	5	0							
Carried forward ...				32	5	0	Total				54	1	0

No. 1,040.—HARDWICK.

TOWNSHIP OF BISHOP MIDDLEHAM, DURHAM.

Sheet 35 of Ordnance Map. Lat. , Long.

Strata bored through in No. 1 Hole upon the Hardwick Royalty, about 500 yards West of Sprucely Farm House, by the Roadside leading to Hardwick House. By William Coulson. Commenced July 1st, 1838.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	0				Brought forward				8	1	0
Strong blue clay, with tumbling stones and water	8	0	0				Limestone marl ...	2	0	0			
							Mild limestone, with water	15	1	0			
Carried forward	8	1	0				Carried forward	25	2	0			

R

Brought forward	25	2	0	Fs.	Ft.	In.	Fs.	Ft.	In.
Strong limestone, with water ...	18	0	0						
Mild limestone, with water ...	2	5	10						
Strong limestone, with water ...	0	5	11						
				47	1	9			
Soft blue metal ...	0	0	3						
Strong grey metal, with post girdles and water ...	0	2	11						
Strong brown free-stone or sandstone	4	5	11						
Soft light blue metal	0	3	0						
Grey metal, mixed with post and coal pipes ...	1	0	5						
Strong brown post, with water ...	0	5	8						
Carried forward	8	0	2	47	1	9			

Brought forward	8	0	2	47	1	9	Fs.	Ft.	In.
Red metal and metal stone, inclining to post ...	2	3	3						
White and brown post, with red partings, red and white post, and water ...	3	3	8						
Red and white post ...	2	1	4						
<i>Main Coal Seam—</i>									
COAL ...	1	6	$\frac{1}{2}$				Ft.	In.	
Band ...	0	1	$\frac{1}{2}$						
COAL ...	2	7	$\frac{1}{2}$						
				0	4	3	$\frac{1}{2}$		
Into grey metal ...				17	0	8			
Total ...				65	0	5			

TOWNSHIP OF BISHOP MIDDLEHAM, DURHAM.

Strata bored through in No. 2 Hole upon the Hardwick Estate, about 150 yards to the East of Bishop Middleham Village. By William Coulson. Commenced February 26th, 1839.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Sandy soil	1	3	0			
Mild limestone, with water	10	0	0			
Hard limestone, with water	13	1	10			
Mild limestone, with water	2	1	8			
Strong limestone, with water	0	5	8			
Carried forward	28	0	2			

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	28	0	2			
Mild limestone, yellow and gullyty, with water (got through, May 25th)	2	5	0			
				30	5	0
Grey metal, with post girdles	0	4	9			
Carried forward	0	4	9	30	5	0

No. 1,041.—HARDWICK.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.		
Brought forward	0	4	9	30	5	2		Brought forward	3	2	9	58	5	5	
Strong brown free-stone or sandstone, with water ...	3	0	1					Strong grey metal, with iron girdles, and scared with coal in some places ...	2	1	7				
Strong red post, with water ...	0	2	9					COAL, foul... ..	0	3	0				
Brown post, with water	0	5	10									6	1	4	
Strong red and white post, with metal parting and water	1	3	8					Strong grey metal and metal stone, mixed with post in places	2	4	7				
Red metal ...	0	1	1					Dark grey metal, mixed brassy coal at bottom ...	0	1	2				
Blue metal, with some thin post girdles ...	3	3	0					Strong grey metal and metal stone, mixed with post and some water	3	3	4				
COAL ...	0	3	0					Grey metal, mixed with coal and water	0	2	10				
				11	0	2		Strong white post ...	0	4	0				
Grey metal ...	0	0	3					Strong grey metal, with post girdles at top and ironstone girdles at bottom...	2	5	1				
Black metal, mixed with coal ...	0	0	11					COAL, foul... ..	0	0	4				
Dark grey and white scamy post, mixed with metal at top and some water ...	6	3	9								10	3	4		
Grey metal and metal stone ...	0	3	7					Grey metal ..	0	0	10				
Black metal, mixed with coal and water	0	2	2					Stony white and grey post, with metal partings ...	2	3	7				
Dark grey metal, with scares of coal ...	0	3	5					Stony grey metal and metal stone, with post girdles ...	3	4	6				
Grey metal and metal stone, with post in places, and water ...	2	2	2					Black metal ...	0	0	10				
COAL, foul or splint	0	0	7					Blue metal, darkish in places, and ironstone girdles ...	1	1	11				
				10	4	10		Dark grey and black metal ...	1	1	5				
Grey metal ...	0	2	5					COAL, foul, mixed with metal ...	0	0	8				
Black metal, with scares of coal ...	0	2	9					Strong grey metal and metal stone, mixed with post ...	4	0	5				
Strong grey metal and metal stone, with post girdles ..	2	1	1					Dark grey metal, with post girdles	0	1	7				
Whin (got, July 19th; through, July 22nd)	0	0	7												
Strong grey metal, with post girdles and coal pipes ...	0	5	1					COAL ...	2	10					
Dark grey metal, with post girdles near the bottom ...	1	4	6					Grey metal ...	0	3 $\frac{1}{2}$					
COAL, foul at bottom	0	2	10					COAL, foul ..	0	7 $\frac{1}{2}$					
				6	1	3					0	3	9		
Strong grey metal and metal stone, mixed with post ...	3	1	3								14	1	6		
Whin, mixed with grey post (got, Aug. 8th; through, Aug. 13th)	0	1	6					Into grey metal ...			0	2	2		
Carried forward	3	2	9	58	5	5		Total ...			90	1	9		

No. 1,042.—HARESHAW.

TOWNSHIP OF CHARLTON EAST, NORTHUMBERLAND.

Sheet 60 of Ordnance Map. Lat. 55° 10' 7", Long. 2° 18' 7".

Section of Strata at Bowrigge, or Bearsmouth, on Hareshaw. 1846.

Approximate surface level 605 feet above sea (Ordnance datum).

	Ft.	Ft.	In.	Ft.	Ft.	In.		Ft.	Ft.	In.	Ft.	Ft.	In.
Clay ...	2	3	0				Brought forward	2	0	0	12	3	
Dark grey thill ...	2	3	0				Soft friable freestone	0	3	0			
Blue whin ...	0	1	4				Black bituminous shale	0	0	6			
Strong grey shale ...	2	3	0										
Blue whin ...	0	5	0				COAL ...						
Dark shale ...	3	0	0				Black bitumi-						
Blue whin ...	1	0	0				nous shale ...	2	6				
COAL ...	0	0	6				COAL ...	2	0				
				12	3	10					0	5	0
Bituminous shale ...	0	4	0										3 2
Dark coloured shale...	1	2	0										
Carried forward	2	0	0	12	3	10	Total ...						*16 0

* Approximate sea level 508½ feet below this.

No. 1,043.—HARGILL.

TOWNSHIP OF WITTON-LE-WEAR, DURHAM.

Sheet 33 of Ordnance Map. Lat. 54° 41' 31", Long. 1° 45' 20".

Section of Strata at Hargill Colliery, Witton-le-Wear, near Bishop Auckland.

Approximate surface level 490 feet above sea (Ordnance datum).

	Ft.	Ft.	In.	Ft.	Ft.	In.		Ft.	Ft.	In.	Ft.	Ft.	In.
Soil ...	0	1	0				Brought forward	3	3	5			
Clay ...	1	3	9				Post ...	0	0	6			
Blue metal ...	1	4	8				Blue metal ...	1	1	0			
Carried forward	3	3	5				Carried forward	4	4	11			

No. 1,043.—HARGILL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	4	4	11				Brought forward	8	3	10	5	4	11
Main Coal or Brock-							Black band ...	0	0	5			
well Seam—Ft. In.							COAL ...	0	0	3			
COAL ...	1	4					Inferior fire clay, with						
Band ...	0	2					iron balls ...	1	1	3			
COAL ...	4	6					COAL — Victoria						
			1	0	0		Seam (or seam lately						
					5	4	worked at Victoria						
							Colliery) ...	0	1	7			
Good fire clay ...	0	1	6							10	1	4	
White clay and blue							Hard and very inferior						
metal ...	2	4	8				clay ...			0	2	0	
Grey metal, with post													
girdles ...	1	2	7										
Blue metal ...	3	1	5										
Very inferior fire clay	0	5	8										
Carried forward	8	3	10	5	4	11	Total ...			*16	2	3	

* Approximate sea level 391½ feet below this.

No. 1,044.—HARGILL.

TOWNSHIP OF HOWDEN-LE-WEAR, NEAR DURHAM.

Sheet 33 of Ordnance Map. Lat. , Long.

Borehole at Hargill Colliery, Howden-le-Wear, near Bishop Auckland.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Strong white post ...	4	0	0				Brought forward	11	0	3			
Sand ...	0	0	6				Seam worked at Mar-						
White post ...	2	3	6				shall Green Drift—						
Blue metal ...	1	0	3				Ft. In.						
White clay ...	0	5	0				COAL ...	0	7½				
COAL pipings ...	0	0	6				Band ...	0	2				
Blue metal ...	2	2	6				COAL ...	0	7½				
									0	1	5		
											11	1	8
Carried forward	11	0	3				Very hard post ...				0	0	3
							Total ...				11	1	11

No. 1,045.—HARLOW HILL.

TOWNSHIP OF HARLOW HILL, NORTHUMBERLAND.

Sheet 86 of Ordnance Map. Lat. , Long.

Borings at Harlow Hill. First Hole.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay ...	...	...	...	2	0	0	Brought forward	4	5	4			
COAL ...	...	...	...	0	0	4	COAL ...	...	...	...	0	0	3
Clay ...	...	...	...	0	1	6	Black stone ...	...	...	...	1	3	5
Grey stone ...	...	...	...	2	3	6	COAL ...	...	...	...	0	0	4½
												6	3
Carried forward	4	5	4				Total ...					6	3

No. 1,046.—HARLOW HILL.

TOWNSHIP OF HARLOW HILL, NORTHUMBERLAND.

Sheet 86 of Ordnance Map. Lat. , Long.

Second Hole, about 150 yards North of William Smith's House.

Approximate surface level feet above sea (Ordnance datum).

							Fs.	Ft.	In.	Fs.	Ft.	In.
Clay ...	...	...	...	...	...	...	1	5	0			
Soft white post	...	...	...	...	...	...	0	3	6			
COAL	...	...	...	...	...	...	1	0	3			
In the thill	...	...	...	...	...	...	0	1	3			
										3	4	0
Total	...	...	...	...	...	...				3	4	0

No. 1,047.—HARLOW HILL.

TOWNSHIP OF HARLOW HILL, NORTHUMBERLAND.

Sheet 86 of Ordnance Map. Lat. , Long.

Third Hole, about half way between the First and Second.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sand and gravel	1	1	0	Brought forward	3	1	0			
Freestone	1	2	0	Grey metal ...	...	...	...	0	2	0
Cash	0	2	0	COAL ...	...	...	...	0	0	2
COAL	0	2	0							
Carried forward	3	1	0				Carried forward	3	3	2			

No. 1,047.—HARLOW HILL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	3	3	2				Brought forward	1	1	2	6	1	10
Grey metal ...	2	1	0				Grey stone and raised						
	Ft.	In.					water ...	0	2	3			
COAL ...	2	1					Grey metal ...	2	0	0			
Grey metal ...	0	8									3	3	5
COAL ...	0	11											
			0	3	8								
						6	1	10					
Grey metal ...	1	1	2										
Carried forward	1	1	2	6	1	10	Total ...				9	5	3

No. 1,048.—HARLOW HILL.

TOWNSHIP OF HARLOW HILL, NORTHUMBERLAND.

Sheet 86 of Ordnance Map. Lat. , Long.

Fourth Hole, 19 yards 1 foot North-west from the Third Hole.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Clay ...	2	3	0			
Soft white post ...	0	3	6			
COAL ...	0	3	6			
				3	4	0
Soft blue grey thill ...				0	1	0
Total ...				3	5	0

No. 1,049.—HARLOW HILL.

TOWNSHIP OF HARLOW HILL, NORTHUMBERLAND.

Sheet 86 of Ordnance Map. Lat. , Long.

Fifth Hole, 30 yards North from Second Hole.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay ...	3	0	0				Brought forward	6	1	3			
Blue grey metal ...	2	3	0				Blue grey metal ...	0	1	5			
COAL ...	0	0	2				COAL ...	0	0	4			
Blue grey metal ...	0	2	1				Blue grey metal ...	0	1	0			
COAL ...	0	2	0								6	4	0
Carried forward	6	1	3				Total ..				6	4	0

No. 1,050.—HARLOW HILL.

TOWNSHIP OF HARLOW HILL, NORTHUMBERLAND.

Sheet 86 of Ordnance Map. Lat. , Long.

Sixth Hole, 45 yards East from Second Hole.

Approximate surface level feet above sea (Ordnance datum).

Clay	...	...	...	...	...	Ft.	Ft.	In.	Ft.	Ft.	In.
						2	0	0				
COAL	...	...	...	...	...	1	5				
Grey metal	...	...	...	...	...	0	2				
COAL	...	...	...	...	...	0	10				
							0	2	5			
Grey metal	...	...	...	...	...		0	2	0		
										2	4	5
Total				2	4	5

No. 1,051.—HARLOW HILL.

TOWNSHIP OF HARLOW HILL, NORTHUMBERLAND.

Sheet 86 of Ordnance Map. Lat. , Long.

Seventh Hole, 90 yards South-east from the Second Hole.

Approximate surface level feet above sea (Ordnance datum).

Clay ... ..	...	...	...	...	...	Fa.	Ft.	In.	Fa.	Ft.	In.
Dun white post	...	...	...	...	...	0	5	0			
COAL ... ..	...	...	...	...	...	3	4	6			
Blue grey metal thill	...	...	...	...	...	0	2	6			
						0	1	0			
						<hr/>			5	1	0
Total	...	...	...	...	...	<hr/>			5	1	0

No. 1,052.—HARLOW HILL.

TOWNSHIP OF HARLOW HILL, NORTHUMBERLAND.

Sheet 86 of Ordnance Map. Lat. _____, Long. _____

Eighth Hole, half way between Second and Seventh Holes.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Clay	1	0	6			
Dun white post	2	4	7			
COAL	0	2	8			
Blue grey metal	0	0	7			
				4	2	4
Total				4	2	4

No. 1,053.—HARPERLEY.

TOWNSHIP OF CROOK AND BILLY ROW, DURHAM.

Sheet 33 of Ordnance Map. Lat. _____, Long. _____

Account of Strata bored through in the Second Hole at the Terminus of the Bishop Auckland and Weardale Railway, near Hope's New House, the Railway Tavern, at Crook, upon the Harperley Estate. 1839.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	0			
Yellow clay	0	3	0			
Strong blue clay	2	1	8			
Strong grey metal, with water	1	1	10			
COAL , with a spring of wa- ter	3	5				
Band	0	4				
COAL	1	6				
	0	5	3			
				5	0	9
Dark grey metal, with scares of coal	0	1	1			
Grey metal, with post girdles and water... ..	1	0	0			
Strong white post, with water	2	0	0			
COAL , with water... ..	0	2	1			
Carried forward	3	3	2	5	0	9
Brought forward	3	3	2	5	0	9
Dark grey metal	0	3	0			
Grey metal and post girdles	1	0	0			
Grey post, with water	3	0	0			
Dark grey metal, with post girdles	1	2	0			
COAL	2	4				
Band	0	5	½			
COAL	0	8				
Band	1	10				
COAL	4	4				
				1	3	7½
Splint	0	0	4			
				11	0	1½
Total	16	0	10½			

No. 1,054.—HARPERLEY.

TOWNSHIP OF CROOK AND BILLY ROW, DURHAM.

Sheet 33 of Ordnance Map. Lat. _____, Long. _____

*Account of Strata bored through in the Harperley Royalty, near Crook.
January 3rd, 1840.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.				
Soil	0	1	0				Brought forward	0	1	2	14	5	7				
Yellow clay	0	1	0				Strong grey metal										
Strong blue clay	0	4	0				stone, with post										
Gravel, with water	0	3	6				girdles	2	3	0							
Strong clay	1	2	0				Grey metal	1	0	0							
Soft brown freestone	0	5	0				Dark grey metal	0	1	9							
Brown and white free-							COAL , with Ft. In.										
stone, and set away							water	2	3								
the water	2	3	0				Dark grey metal	1	2								
Strong grey post	3	0	0				COAL	0	10								
COAL , with water...	0	5	2							0	4	3					
				10	0	8							4	4	2		
Dark grey metal, with							Dark grey metal, with										
scars of coal	0	1	0				scars of coal	0	3	0							
Grey metal, with post							Grey metal stone, with										
girdles	0	3	7				post girdles	1	0	0							
Strong white post,							Grey post, with water	1	0	0							
with water	1	0	4				Dark grey metal, with										
Strong grey metal,							water	0	5	0							
with post girdles	2	0	0														
Grey metal	0	3	11				COAL	4	4								
COAL , with water...	0	2	1				Splint	0	5								
										0	4	9					
				4	4	11							4	0	9		
Dark grey metal, with							Dark grey metal	1	0	0							
scars of coal	0	1	2				Strong white post,										
							with water	0	1	6							
															1	1	6
Carried forward	0	1	2	14	5	7	Total								25	0	0

No. 1,055.—HARRATON.

TOWNSHIP OF HARRATON, DURHAM.

Sheet 13 of Ordnance Map. Lat. _____, Long. _____

*Account of the boring of a Hole from the bottom of a Staple in the Boundary Pit,
between the Boundary Pit Dyke and the Main Dyke, in Harraton Outside
Colliery. Begun April 6th. finished August 21st, 1819.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk to the <i>Hutton</i>							Brought forward	0	1	6			
<i>Seam</i>				80	0	0	Grey metal stone, with						
Box	0	1	6				strong girdles	4	4	6			
Carried forward	0	1	6				Carried forward	5	0	0			

Brought forward	Fs.	Ft.	In.	Fs.	Ft.	In.
Dark grey metal stone, with strong girdles	1	5	6			
White post, with water	3	0	6			
Grey metal stone ...	0	2	6			
COAL , with much sulphur	0	1	0			
				10	3	6
Darkish grey metal stone, with girdles	2	3	9			
A whin girdle ...	0	0	4			
Grey girdly metal, with sulphur ...	2	0	2			
Blackish metal stone	0	3	0			
COAL	0	0	6			
				5	1	9
Grey metal	0	0	6			
White and grey scared post	1	3	6			
Darkish grey metal stone, with sulphur and water	1	0	0			
Strong white post ...	0	3	0			
Grey metal stone ...	0	2	10			
COAL , foul, with water	0	0	6			
				3	4	4
Grey metal	0	2	0			
Grey metal and metal stone, with much sulphur and a strong blower at 21 fms. 4 ft.	1	4	0			
Strong whitish grey post, mixed with whin	1	3	8			
Carried forward	3	3	8	19	3	7

Brought forward	Fs.	Ft.	In.	Fs.	Ft.	In.
Whitish grey metal stone, with post girdles	0	4	6			
Grey post	1	5	0			
Grey metal, with a scare of coal near the bottom and sul- phur	0	1	2			
Grey metal stone, with post girdles ...	2	0	4			
<i>Harvey Seam—</i>						
COAL ... Ft. In.			0 10			
Coarse slaty band	0	1				
COAL , with water	0	6				
				0	1	5
Dunnish grey metal stone, with post and whin girdles ...	3	1	1			
White post	4	2	4			
Grey metal	0	0	2			
COAL ... Ft. In.			1 5			
Brownish grey metal stone... ..	0	4				
COAL , foul... ..	0	2				
				0	1	11
						7 5 6
Grey metal	0	1	0			
Grey metal stone ...	0	4	0			
						0 5 0
To thill of <i>Hutton Seam</i>						37 0 2
Total						80 0 0
						117 0 2

TOWNSHIP OF HARRATON, DURHAM.

*Account of Strata sunk through in the New Pit, about half a mile West of Fatfield
Stables Farm House, Harraton.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Pt.	In.	Fs.	Pt.	In.		Fs.	Pt.	In.	Fs.	Pt.	In.
Outset	1	2	0				Brought forward	10	0	0			
Brown and blue clay							White sandy post ...	6	0	2			
and sand (chinley clay)	8	4	0				COAL	0	0	6			
											16	0	8
Carried forward	10	0	0				Carried forward	16	0	8			

No. 1,056.—HARRATON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				16	0	8		Brought forward			35	4	
Freestone, shale, etc....	19	1	7					Freestone, shale, etc....	8	0	11		
COAL	0	2	2					COAL—5/4 Seam ...	0	3	10		
				19	3	9					8	4	
Carried forward				35	4	5		Total			44	8	

No. 1,057.—HARRATON.

TOWNSHIP OF HARRATON, DURHAM.

Sheet 13 of Ordnance Map. Lat. , Long.

Harraton New Up-cast Shaft.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Clay, sand, and gravel	20	4	0			
COAL	0	2	0			
Strata	11	1	5			
COAL	0	3	6			
				12	0	11
Total	32	4	11			

No. 1,058.—HARTFORD.

TOWNSHIP OF WEST HARTFORD, NORTHUMBERLAND.

Sheet 80 of Ordnance Map. Lat. 55° 8' 13", Long. 1° 35' 49".

Account of the Strata in the Athey Pit, Hartford Colliery. March 3rd, 1858.

Approximate surface level 162 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
In box	11	3	0					Brought forward	35	3	0		
In borehole	15	3	0					Coal pipe post ...	0	0	6		
Strong white post, mixed with whin ...	8	3	0					COAL	0	2	9		
											36	0	
Carried forward	35	3	0					Carried forward			36	0	

* Approximate sea level (Ordnance datum).

No. 1,058.—HARTFORD.—CONTINUED.

	Fa.	Ft.	In.	Fa.	Ft.	In.		Fa.	Ft.	In.	Fa.	Ft.	In.	
Brought forward				36	0	3		Brought forward	4	0	0	39	1	2
Grey thill ...	...	...	...	0	3	3		Grey post ...	...	...	...	1	3	0
Blue metal ...	...	...	...	2	3	0		Brown girdle ...	...	...	...	0	1	0
COAL ...	...	...	...	0	0	8		Grey stone, mixed	...	...	...
							3 0 11	with girdles	...	...	...	1	3	0
Grey thill ...	...	...	...	0	3	0		Blue stone ...	...	...	...	0	3	0
Grey post, mixed with								COAL ...	...	...	...	0	5	5
girdles ...	...	...	...	1	3	0								
Whin ...	...	...	...	0	2	0						8	3	5
Grey post ...	...	...	...	1	3	0		Grey thill ...	...	...		0	0	5
Whin ...	...	...	...	0	1	0								
Carried forward	4	0	0	39	1	2		Total ...	...	...		47	5	0

No. 1,059.—HARTLEY.

TOWNSHIP OF HARTLEY, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 55° 4' 45", Long. 1° 28' 16".

Account of the Whin Pit, Hartley Colliery. By John and Robert Watson.
August, 1754.

Approximate surface level 91 feet above sea (Ordnance datum).

			Fs.	Ft.	In.	Fs.	Ft.	In.				Fs.	Ft.	In.	Fs.	Ft.	In.
Earthwork	...	...	8	0	0					Brought forward		22	0	0			
Grey metal	...	...	1	3	0					<i>Metal Coal Seam—</i>							
Grey post	...	...	5	4	0						Ft.	In.					
			5	2	0					COAL	...	1	6				
Grey metal, with post										Grey metal							
girdles	...	...	1	3	0					stone	...	1	4				
										COAL	...	2	0				
													0	4	10		
															22	4	10
Carried forward			22	0	0					Carried forward					22	4	10

* Approximate sea level (Ordnance datum).

No. 1,059.—HARTLEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				22	4	10	Brought forward	8	1	8	22	4	10
Blue metal ...	8	0	0				COAL—Main Seam	0	4	6			
Strong sharp black metal ...	0	1	8								9	0	2
Carried forward	8	1	8	22	4	10	Total ...				31	5	0

I am of opinion that the *Metal Coal* is the seam which Mr. Shallet is at present endeavouring to win at Chirton.—J. W.

July, 1755.—Although I was of opinion, in August, 1754, that this was *Hartley Metal Coal*, I am now more fully of opinion that it is *Long Benton Seam*, as it seems to be so by many convincing symptoms.—J. W.

No. 1,060.—HARTLEY.

TOWNSHIP OF HARTLEY, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. , Long.

*Boring at nigh Gouldness (Golden) Hole, for the use of Francis Blake Delaval, Esq.
Begun 30th October, 1754.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay...	0	2	0				Brought forward	4	5	3	14	0	9
Grey metal ...	2	3	0				Grey metal ...	0	1	0			
Grey post, with metal partings ...	1	1	0				White post ...	2	2	0			
Grey post, with whin girdles ...	3	0	0				Grey stone ...	0	4	6			
Black metal ...	0	4	0				Grey post, with metal partings ...	1	0	6			
COAL ...	0	0	9				Grey metal, with cat-heads ...	1	4	0			
				7	4	9	Blue metal ...	0	1	6			
Grey metal stone ...	5	4	0				Black metal, with cat-heads ...	0	1	6			
Black metal ...	0	3	3										
COAL ...	0	0	9										
				6	2	0							
Grey metal ..	1	0	0				COAL ...						
Blue metal ...	0	5	3				COAL, mixed						
Grey post, with metal partings ...	0	5	0				with black metal ...	2	0				
White post, with water	1	3	0								0	3	2
Blue metal ...	0	1	6								11	5	5
Black metal ...	0	2	6				Thill and grey metal	0	1	4			
							Grey metal stone ...	2	1	6			
Carried forward	4	5	3	14	0	9	Carried forward	2	2	10	26	0	2

No. 1,060.—HARTLEY.—CONTINUED.

	Fa.	Ft.	In.	Fa.	Ft.	In.
Brought forward	2	2	10	26	0	2
White post ...	0	3	0			
Whin ...	0	1	2			
Grey scamy post ...	2	4	10			
Grey metal stone ...	0	2	0			
Blue metal, with cat- head girdles ...	1	1	6			
COAL ...	0	3	6			
				8	0	10
Grey thill ...	0	0	3			
White and grey post, with whin girdles ..	0	3	3			
Blue metal, with whin girdles ...	0	1	6			
Black metal, mixed with coal ...	0	3	9			
Grey post ...	2	1	3			
Grey metal stone ...	1	0	0			
Grey metal ...	2	1	4			
Black metal ...	0	1	4			
COAL, with metal bands ...	0	2	4			
				7	3	0
Thill and grey metal	0	2	0			
Grey metal stone ...	1	4	0			
Black metal, with coal pipes ...	0	2	6			
COAL, mixed with brown scamy metal	0	3	0			
				2	5	6
Grey thill ...	0	0	6			
Grey metal stone ...	0	2	0			
Blue metal, with cat- head girdles ...	0	4	0			
Grey metal stone ...	1	4	6			
Carried forward	2	5	0	44	3	6

	Fa.	Ft.	In.	Fa.	Ft.	In.
Brought forward	2	5	0	44	3	6
Grey scamy post, with whin girdles ...	1	3	6			
Grey metal stone ...	0	3	0			
Grey metal, with cat- head girdles ...	1	0	10			
Black metal ...	0	1	0			
COAL ...	2	3				
Grey metal ...	1	1				
COAL, with metal bands	1	10				
				0	5	2
						7 0 6
Grey thill ...	0	0	4			
White and grey post	1	3	0			
Grey metal stone ...	0	1	8			
Blue metal, with whin girdles ...	3	0	0			
Black metal, with cat- head girdles (<i>Mussel</i> <i>Scalp</i>) ...	0	1	11			
COAL ...	0	0	1			
						5 1 0
Grey thill ...	0	0	4			
Blue metal, with whin girdles ...	0	3	8			
Grey scamy post, with whin girdles ...	0	4	0			
Blue metal, with cat- heads ...	0	4	9			
Black metal ...	0	1	4			
COAL ...	0	4	5			
						3 0 6
Grey thill ...						0 1 6
Total ...				60	1	0

No. 1,061.—HARTLEY.

TOWNSHIP OF HARTLEY, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. , Long.

Boring upon the Sea Bank, nigh the Bates, Hartley Lordship, from the bottom of the present working Coal. Begun 25th July, 1755.

Approximate surface level feet above sea (Ordnance datum).

	Fa.	Ft.	In.	Fa.	Ft.	In.		Fa.	Ft.	In.	Fa.	Ft.	In.
Grey metal ...	0	1	0				Brought forward	3	0	0			
Grey post, with whin							Grey metal, with cat-						
girdles ...	2	4	0				heads or girdles ...	3	3	0			
Black metal, mixed							Grey post, with metal						
with coal ...	0	1	0				partings ...	0	4	0			
Carried forward	3	0	0				Carried forward	7	1	0			

No. 1,061.—HARTLEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	7	1	0				Brought forward	13	1	11	14	5	9
Grey metal, with cat-heads ...	2	3	6				COAL ...	1	4				
Blue metal ...	0	2	0				Black metal bands ...	0	5				
COAL ...	0	0	9				COAL ...	0	7				
Black metal, mixed with coal pipes ...	0	2	0					0	2	4			
COAL ...	0	1	6								13	4	3
Black metal, mixed with coal ...	0	2	0				Grey post ...	0	3	0			
COAL ...	0	1	0				Blue metal stone ...	2	5	3			
				11	1	9	COAL ...	0	0	9			
Thill and grey metal	1	1	3				Grey post ...	1	1	4			
White post, with water	2	2	3				COAL ...	0	0	8			
COAL ...	0	0	6								4	5	0
				3	4	0	White and grey post	1	2	7			
Thill and grey metal	1	0	0				COAL, mixed with dant ...	0	0	5			
Grey post, with whin girdles ...	0	3	3				Thill and blue metal ...	1	0	0			
Blue metal, with post girdles ...	2	4	0				COAL ...	0	1	0			
Black metal ...	0	2	0								2	4	0
Grey metal stone ...	1	4	0				Thill and grey metal	0	3	0			
Blue metal ...	0	4	9				White post, mixed with whin ...	0	1	6			
Black metal, with coal pipes ...	0	1	3				Blue metal ...	0	0	6			
Grey post ...	0	3	0				COAL ...	0	0	8			
Blue metal ...	0	2	0								0	5	8
Grey metal stone ...	1	3	0				Thill and grey metal	0	3	4			
Grey metal ...	1	0	0				Mixture of whin and post ...	0	4	0			
Grey metal stone ...	1	3	0								1	1	4
Blue metal, with post girdles ...	1	1	8										
Carried forward	13	1	11	14	5	9	Total ...				38	2	0

No. 1,062.—HARTLEY.

TOWNSHIP OF HARTLEY, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 55° 4' 16", Long. 1° 29' 30".

Account of Strata sunk through below the Benton Seam to the Yard Coal Seam, in the Nightingale Pit, Hartley Colliery.

Approximate surface level 111 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
From surface to Benton or High Main...				15	0	0	Brought forward				26	0	0
Sharp blue stone ...	3	3	0				Grey metal ...	3	0	0			
	1	3	0			*	Blue metal ...	3	0	0			
Soft grey metal ...	3	0	0				White post ...	12	0	0			
Strong grey metal, with post girdles ...	2	4	4				Blue stone ...	1	0	0			
COAL ...	0	1	8				COAL—Yard Coal	0	3	6			
				11	0	0					19	3	6
Carried forward				26	0	0	To Low Main ...				27	0	0
							Total ...				72	3	6

* Approximate sea level (Ordnance datum).

No. 1,063.—HARTLEY.

TOWNSHIP OF SEATON DELAVAL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. , Long.

Account of Strata sunk through in Hartley Colliery, from the Yard Seam to the Low Main Coal Seam.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
From the top of <i>Yard Seam</i> to the top of post or hard stone where water was got ...	8	2	0				Brought forward	0	3	2	21	4	5
From the top of the post to the top of metal that lies on <i>Metal Coal</i> ...	10	4	0				Grey metal stone, with girdle ...	1	5	6			
Blue metal, with whin girdles ...	1	4	8				Blue metal, with whin girdles ...	1	0	0			
<i>Metal Coal Seam</i> —							Mussel and scalp girdles ...	0	0	3			
COAL, top	2	1					Grey post, with white post girdles ...	0	4	1			
Blue stone...	1	2					White and grey post— <i>Main Post</i> ...	0	4	6			
COAL, bottom	2	6					Blue metal, with 4 or 5 inches of whin girdles ...	0	5	8			
				0	5	9	Blue metal, with cat-heads ...	0	4	8			
Thill and grey metal stone ...	0	3	2				Black stone or <i>Coal Head</i> ...	0	0	10			
Carried forward	0	3	2	21	4	5	COAL— <i>Low Main Seam</i> ...	0	3	11			
											7	2	7
							Total ...				29	1	0

No. 1,064.—HARTLEY.

TOWNSHIP OF

Sheet 81 of Ordnance Map. Lat. , Long.

Boring from the Metal to the Main Coal, Hartley Colliery. May 3rd, 1757.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Grey thill ...	0	0	4				Brought forward	5	5	0			
White and grey post	1	3	0				Grey post, with whin girdle ...	0	4	0			
Grey metal stone ...	0	1	8				Blue metal, with cat-heads ...	0	4	9			
Blue metal, with whin girdles ...	3	0	0				Black metal ...	0	1	4			
Black metal and coal (<i>Mussel Scalp</i>) ...	0	2	0				COAL ...	0	4	5			
Grey thill ...	0	0	4								8	1	6
Blue metal, with whin girdles ...	0	3	8				Grey thill ...				0	1	6
Carried forward	5	5	0				Total ...				8	3	0

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No. 1,065.—HARTLEY.

TOWNSHIP OF HARTLEY, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. , Long.

*Bored in Hartley Grounds, to the East from Holywell, on the South side of the Burn
November 28th, 1757.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk to the scaffold...				0	3	9					12	3	
<i>Bored:—</i>							Brought forward						
Brown post ...	1	0	0				Soft blue metal ...	0	2	3			
Brown and grey girdly post, with red scamy partings ...	3	1	0				White and grey scamy post ...	4	5	0			
Soft sandy partings, with water which rose to top ...	0	0	5				Whin, mixed with strong white post...	0	2	2			
Brown and grey post, with red partings...	1	1	0				White and grey post, with scamy partings	5	2	0			
Strong grey post, mixed with whin ...	0	2	0				Soft blue and grey metal ...	0	1	9			
Brown and red ramble stone ...	0	4	0				COAL ...	5	2				
Grey and brown metal	0	1	0				Soft black danty metal ...	0	3				
COAL , foul...	0	0	4				COAL , foul...	0	6				
				6	3	9	COAL ...	0	4				
Grey metal, with post girdles and water...	3	3	0					1	0	3			
Blue and black metal	1	4	0				Black metal, mixed with coal ...	0	0	5			
Black metal, mixed with coal ...	0	0	2				Grey and black metal	0	0	4			
COAL , hard ...	0	1	0				COAL ...	0	0	2			
				5	2	2					0	0	
Carried forward				12	3	8	In white grey metal...				0	0	
							Total ...				25	0	

No. 1,066.—HARTLEY.

TOWNSHIP OF HARTLEY, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. , Long.

*Account of Boring in the second place in Hartley Ground, about yards to the Se
from the first place. February 27th, 1758.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward	6	5	9			
Soft brown sandy clay	1	0	0				Grey post ...	1	1	6			
Stony clay ...	3	2	6				Black metal, mixed with coal ...	0	0	6			
Sand and gravel ...	0	1	0				Grey metal ...	0	3	4			
Stony clay ...	1	3	0				Red and grey scamy metal ...	1	1	0			
Stony clay, mixed with ramble ...	0	4	3										
Carried forward				6	5	9	Carried forward	10	0	1			

No. 1,066.—HARTLEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	10	0	1				Brought forward				19	0	9
Whin ...	0	2	0				Red scamy metal stone	0	1	3			
Grey and white post, with brown scamy partings and water in some places ...	8	2	6				Strong white post, mixed with whin ...	0	2	6			
Grey and blue metal, with red scamy partings ...	0	1	8				White and red scamy post ...	1	0	9			
COAL , mixed with grey and brown metal ...	0	0	6				Grey metal, with gir- dles or lumps ...	2	0	0			
				19	0	9	Blue and black metal	1	3	0			
							COAL , foul ...	0	0	8			
Carried forward				19	0	9	Grey metal ...				5	2	2
											0	1	0
							Total ...				24	3	11

No. 1,067.—HARTLEY.

TOWNSHIP OF SEATON DELAVAL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 55° 5' 10", Long. 1° 30' 26".

*Account of the fourth Borehole, to the High Main Seam, about 446 yards North,
70½ yards East from Hester Pit in a Field in front of Seaton Red House,
Hartley, and on the North side of the Dyke North of Hester Pit.*

Approximate surface level 98 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	10				Brought forward	3	0	7	6	3	3
Clay ...	1	2	0				Post girdle ...	0	0	5			
Brown post, with open gullet at bottom and water ...	0	4	0				Grey metal, with thin post girdles ...	0	3	7			
Brown post, with 3 in- ches of coal pipes at bottom ...	0	3	3				Blue metal, very dark at bottom ...	1	1	4			
Coarse and soft brown post ...	1	3	5				COAL ...	0	0	11			
COAL ...	0	0	2	4	2	8					5	0	10
Brown post ...	1	1	10				Grey metal ...	0	2	0			
Very strong brown post ...	0	1	1				Grey metal, mixed with post ...	0	2	2			
White post ...	0	1	4				Very hard post girdle	0	0	5			
Grey metal ...	0	1	5				Grey metal, mixed with post ...	0	1	9			
COAL ...	0	0	11	2	0	7	Post girdle ...	0	0	5			
Grey metal ...	0	1	9				Grey metal, mixed with post ...	1	3	3			
White post ...	0	2	8				White post ...	0	1	3			
Grey metal, mixed with post ...	0	1	0				Whin ...	0	1	9			
White post ...	0	0	11				White post, mixed with whin ...	0	1	1			
Grey metal ...	1	1	11				Very hard whin ...	0	0	11			
Post girdle ...	0	0	3				Hard white post ...	1	0	11			
Grey metal ...	0	1	6				COAL—High Main Seam ...	0	4	1			
Dark grey metal ...	0	2	7								8	2	9
Carried forward	3	0	7	6	3	3	Total ...				20	0	10

* Approximate sea level (Ordnance datum).

No. 1,068.—HARTLEY.

TOWNSHIP OF SEATON DELAVAL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. , Long.

*Account of a Borehole, 20 yards South from Hartley Colliery Boundary.
November 29th, 1844.*

Approximate surface level feet above sea (Ordnance datum).

	Ft.	Ft.	In.	Ft.	Ft.	In.		Ft.	Ft.	In.	Ft.	Ft.	In.
Clay ...	2	4	0				Brought forward	7	0	10			
Sand and gravel ...	0	4	0				Grey shale, with coal						
Clay ...	2	3	6				pipes	0	2	0			
Grey shale ...	0	2	6				COAL, with black						
COAL ...	0	0	4				stone	0	1	8			
Grey shale, with coal							Thill stone	0	1	6			
pipes	0	4	0				Grey shale	0	3	0			
COAL	0	0	6				Grey shale	0	2	6			
													8
Carried forward	7	0	10				Total						8

No. 1,069.—HARTLEY.

TOWNSHIP OF HARTLEY, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 55° 4' 51", Long. 1° 28' 29".

*Account of the different Strata met with in sinking the Mill Pit, Hartley Collie.
Begun October 16th, 1830.*

Approximate surface level 90 feet above sea (Ordnance datum).

	Ft.	Ft.	In.	Ft.	Ft.	In.		Ft.	Ft.	In.	Ft.	Ft.	In.
Outset ...	2	0	4				Brought forward	7	1	10			
Soil ...	0	1	6				White post	0	3	0			
Clay and sand	2	1	0				Whin	0	0	4			
COAL	0	2	0				White post	0	4	8			
Thill	0	1	0				Grey metal stone	0	0	6			
Grey metal stone	1	0	6				Strong white post	0	4	0			
Post girdles	0	1	6				Grey metal stone	2	3	6			
Grey metal stone, with													
post girdles	1	0	0										
Carried forward	7	1	10				Carried forward	11	5	10			

No. 1,069.—HARTLEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	11	5	10				Brought forward	18	2	0	24	0	10
COAL , with metal							COAL ...						
bands ...	0	2	2				... 1 7						
Thill ...	0	3	0				Dark grey metal						
Grey metal stone ...	0	4	0				band ...	1	7				
Post, with grey metal	1	3	0				COAL ...	1	11				
stone partings ...	2	1	2							0	5	1	
Grey metal stone ...	0	3	6							19	1	1	
COAL ...	0	3	4				Grey metal, with post						
Thill ...	0	1	6				girdles ...	1	5	6			
Grey metal stone ...	0	1	1				White post ...	0	1	6			
White post, with gir-							Grey whin ...	0	0	10			
dles ...	0	2	11				Brown whin ...	0	2	6			
Blue metal partings...	0	0	3				Grey metal, with post						
Post ...	0	2	3				girdles ...	0	3	4			
Dark blue metal, with							Dark grey metal, with						
ironstone ...	0	0	5				ironstone girdles ...	0	5	4			
COAL , ground ...	0	1	3				Post girdles ...	0	0	6			
Thill ...	0	1	9				Dark grey metal ...	0	4	10			
Grey metal ...	1	2	5				Mussel scalp ...	0	0	3			
Blue metal, with iron-							Dark grey metal ...	1	0	0			
stone girdles ...	1	4	9				White girdle (a little						
Black stone ...	0	1	3				water) ...	0	0	7			
Clay parting...	0	0	1				Grey metal ...	0	4	2			
Soft grey metal ...	0	1	5				Post girdle ...	0	0	10			
Black stone ...	0	1	0				Grey metal, with iron-						
COAL , with metal							stone girdles ...	1	4	0			
bands ...	0	0	6				Black stone ...	0	0	9			
				24	0	10	COAL —Main Coal						
Soft thill ...	0	4	6				Seam (water to here						
Blue and grey metal,							about 100 gallons						
with whin balls							per minute) ...	0	4	6			
(about 1 stroke per										9	3	5	
minute to here, 12							Thill ...	0	0	3			
in. barrel) ...	2	1	10				COAL , ground ...	0	2	1			
Post or granite (6 fa-							Grey metal ...	0	0	8			
thoms of which is							Post, with metal ...	1	2	0			
exceedingly hard										1	5	0	
and porous, with gul-							Bored further:—						
lets, where strong							Grey post ...	1	3	11			
feeders of water							Dark grey metal, with						
were got; various							post girdles ...	4	3	3			
feeders were wedged							Grey metal ...	0	2	9			
back, sometimes							Dark grey metal, with						
amounting to 800							post girdles ...	1	4	0			
gallons per minute;							COAL , foul, mixed						
7 fathoms of metal).							with bands (12 in-						
Tubbing put in ...	11	0	6				ches black at top)...	1	0	0			
Grey metal, with post							Grey metal thill ...	1	0	9			
girdles ...	0	2	9				Grey post ...	2	2	4			
White post ...	0	1	4				Dark grey metal, with						
Grey metal, with post							post girdles ...	5	2	0			
girdles ...	0	5	2							18	1	0	
Dark grey metal, with							Total ...			72	5	4	
ironstone girdles ...	1	1	2										
White post ...	0	1	6										
Grey metal, with post													
girdles ...	1	1	3										
Carried forward	18	2	0	24	0	10							

* Approximate sea level (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.	Fs.	Ft.	In.	Fs.	Ft.	In.
Clay sand and to the coal	5	0	0							Brought forward		
Post	16	3	0							Grey thill	0	0
White post	2	5	2							White and grey post	0	3
<i>High Main Seam—</i>										Blue metal	0	1
Ft. In.										Black metal, mixed		
COAL	5	2								with coal	0	3
Clay	0	3								Grey post	2	1
COAL, ground l	4									Grey metal stone ...	1	0
				1	0	9				Grey metal stone ...	2	1
							25	2	11	Black metal stone ...	0	1
Thill	0	1	0							COAL, with metal		
Blue metal	0	4	8							bands	0	2
Black metal	0	5	1									
Blue metal	3	3	5							Thill' and grey metal	0	2
Black metal	3	3	11							Grey metal stone ...	1	4
Grey metal, with girdles	3	3	1							Black metal and coal pipes	0	2
Blue metal	0	3	11							COAL, mixed with metal	0	3
COAL—Metal Coal	0	1	10									
				13	2	11				Grey thill	0	0
Thill	0	0	5							Grey metal stone ...	0	2
Grey metal, with post girdle	1	4	1							Blue metal	0	4
White post	0	4	0							Grey metal stone ...	1	4
Whin	0	1	7							Grey and scamy post	1	3
White post	0	3	3							Grey metal stone ...	0	3
Blue metal	0	2	6							Grey metal stone, with girdles	1	0
White post	2	3	6							Black metal	0	1
Grey metal, with girdles	0	2	8									
White post	0	4	6							COAL ... Ft. In.		
Grey metal	0	2	4							Grey metal	1	1
Blue metal	2	4	9							COAL, with metal band... 1 10		
COAL, mixed with stone	0	2	6									
				11	0	1						
Black stone	0	1	6									
White post	0	2	2									
Grey metal	0	1	2									
Post girdle	0	0	3									
Grey metal	0	0	4									
Post girdle	0	0	10									
Grey metal	0	2	4									
Blue metal	0	0	4									
White post	0	4	3									
Blue stone	0	5	9									
COAL—Yard Seam	0	3	7									
				7	3	8						
Carried forward	57	3	7							Total	83	2

No. 1,071.—HARTLEY.

TOWNSHIP OF HARTLEY, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 55° 4' 10", Long. 1° 29' 24".

Sunk at the Delaval Pit, Hartley Colliery, from the Surface to the Yard Coal.

Approximate surface level 106 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Outset soil and clay...	6	1	7				Brought forward	5	0	0	53	5	6
Post and blue clay ...	6	5	1				Blue stone ...	2	1	0			
White post—Main	4	3	4				COAL , mixed with						
Post ...	6	2	2	*			slaty stone...	0	2	0			
<i>High Main Seam—</i>											7	3	0
COAL ...	5	2					Grey metal stone, with						
Clay ...	0	3					post girdles ...	3	2	0			
COAL , ground 1 4							Grey metal stone ...	1	5	0			
				1	0	9	COAL , coarse (1 yard						
							thick at one side and	0	2	0			
							6 inches at the other)						
Thill ...	0	1	0								5	3	0
Blue metal ...	0	4	8				Grey metal ...	1	1	0			
Black metal ...	0	5	1				Post girdle ...	0	1	0			
Blue metal ...	3	3	5				Whin girdle ...	0	1	0			
Black metal ...	3	3	11				Grey metal ...	2	0	0			
Grey metal stone, with							Black stone ...	0	0	8			
girdles ...	3	3	1										
Blue metal ...	0	3	11				<i>Metal Coal Seam—</i>						
COAL—Grey Seam							COAL ...	2	0				
<i>or Metal Coal</i> ...	0	1	10				Stone band... 1 2						
				13	2	11	COAL ... 2 2						
Thill ...	0	0	5					0	5	4			
Grey metal, with post											4	3	0
girdles ...	1	4	1				Grey post ...	0	4	6			
White post ...	0	4	0				Grey metal, with gir-						
Whin ...	0	1	7				dles ...	1	3	0			
White post ...	0	3	3				Whin girdle ...	0	0	6			
Blue metal ...	0	4	6				Blue stone, with iron-						
White post ...	2	3	6				stone girdles ...	1	1	0			
Grey metal, with gir-							Whin girdle ...	0	1	0			
dles ...	0	2	8				White and grey post	1	2	0			
White post ...	0	4	6				Blue metal, with cat-						
Grey metal, with gir-							head girdles ...	1	3	0			
dles ...	0	2	8				Black stone ...	0	1	0			
Blue metal, with cat-							COAL—Main Coal						
heads ...	2	3	4				<i>Seam</i> ...	0	4	0			
White post ...	3	0	0								7	2	0
Blue metal ...	0	5	6				<i>Bored further:—</i>						
COAL—Yard Seam	0	3	8				Strong white post ...	4	1	0			
				15	1	8	COAL ...	0	0	6			
<i>Continued, July 1st,</i>							Thill ...	0	0	10			
<i>1819:—</i>							Strong grey metal,						
Thill blue metal, with							with strong post						
post girdles and foul							girdles ...	2	5	7			
coal ...	1	5	0				COAL ...	0	0	10			
Grey metal stone ...	2	2	0								7	2	9
Grey metal stone ...	0	5	0										
Carried forward	5	0	0	53	5	6	Carried forward				86	1	3

* Approximate sea level (Ordnance datum).

No. 1,071.—HARTLEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				86	1	3		Brought forward			5	4	3 86
Thill ...	0	3	0					Grey metal, with post					
Strong blue metal ...	3	0	0					girdles ...	1	0	0		
Strong grey metal,								Blue metal, with iron-					
with post girdles ...	1	0	3					stone girdles ...	6	0	0		12
Blue metal, with thin													
girdles ...	1	1	0										
Carried forward	5	4	3 86	1	3			Total ...					98

No. 1,072.—HARTLEY.

TOWNSHIP OF SEATON DELAVAL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 55° 5' 2", Long. 1° 30' 45".

Account of Strata sunk through at the Hester Pit, Hartley Colliery. Commenced January 1st, 1845. Low Main Seam reached May 29th, 1846.

Approximate surface level 102 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
From top crib to soil	0	4	0				Brought forward	1	3	3 14			
Soil ...	0	1	0				Grey metal stone ...	0	5	4			
Strong clay ...	3	3	9				COAL ...	0	2	5			2
Sand, with water—													
Stone Head ...	0	5	0				Strong grey metal						
Grey metal stone ...	0	5	3				stone ...	0	2	3			
COAL , very soft ...	0	1	4				Whin girdle ...	0	1	2			
				6	2	4	Soft grey metal stone	0	2	6			
Black stone ...	0	0	8				Strong grey metal						
Thilly grey metal stone	1	5	8				stone ...	0	3	1			
Grey post girdles, with							Grey and white post,						
water ...	0	0	8				with much water						
Grey metal stone ...	0	5	5				(60—40 gallon tubs						
Post girdle, with water	0	0	8				per hour) ...	1	0	0			
Grey metal stone and							Whin girdle ...	0	2	6			
thin post girdles ...	2	2	7				White post, with water	5	3	9			
COAL , very soft ...	0	0	5				Grey metal ...	0	0	10			
				5	4	1	Scamy post ...	0	3	6			
Thill stone ...	0	5	3				Grey metal ...	0	1	3			
Soft grey metal stone	0	1	2				COAL ...	0	0	8			9
Strong post girdle and													
water ...	0	2	8				Thill ...	0	1	4			
Strong grey metal							Mild scamy post and						
stone ...	0	2	5				metal partings ...	1	1	9			
COAL , strong ...	0	1	1				Grey metal and whin						
				2	0	7	(from 4 in. to 1 ft.						
Mild grey post ...	1	3	3				10 in. thick) ...	2	5	2			
Carried forward	1	3	3 14	1	0		Carried forward	4	2	3 26			

* Approximate sea level (Ordnance datum).

No. 1,072.—HARTLEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	4	2	3	26	3	6	Brought forward	11	0	11	56	0	4
one, with mus-							Grey metal, with post						
top part ...	1	3	0				girdles ...	2	0	0			
... ..	0	1	6				COAL — <i>Yard Seam</i>	0	2	9			
				6	0	9					13	3	8
... ..	0	0	8				White thill ...	0	4	0			
tal, with post							Dark grey metal ...	0	4	4			
... ..	2	1	10				COAL ...	0	1	2			
rdle ...	0	0	10								1	3	6
White post, with							Soft black stone ...	0	0	2			
— <i>High Main</i>	1	0	11				Grey metal thill ...	0	3	0			
... ..	0	4	6				Strong grey metal						
				4	2	9	stone and post ...	2	0	6			
l ...	0	0	3				Dark grey metal ...	0	2	1			
stone, mixed							Grey metal thill ...	0	4	0			
coal ...	0	2	3				Strong grey metal						
y metal ...	0	0	8				stone and balls of						
grey metal,							whin ...	4	3	9			
with coal ...	0	4	2				Strong white post,						
tal ...	0	5	2				mixed with whin,						
tal stone and							very wet ...	10	1	0			
f ironstone ...	1	1	7				Blue metal and iron-						
metal, mixed							stone girdles ...	0	3	2			
coal ...	0	4	4				COAL , with slaty						
y metal ...	0	1	8				partings ...	0	1	7			
l metal part-											19	1	3
with a little							Strong grey metal and						
... ..	7	1	8				post girdles ...	0	2	6			
grey post, with							White post ...	0	1	6			
girdles and a							Strong grey metal ...	0	1	4			
water ...	6	3	8				COAL and black						
am— Ft. In.							stone — <i>Bensham</i>						
L, soft 1 1							<i>Seam</i> ...	0	1	11			
metal											1	1	3
d ... 0 3½							Grey metal thill ...	0	2	4			
L, hard 2 6½							Grey metal and post						
	0	3	11				girdles ...	0	3	6			
				18	5	4	Grey post ...	0	1	4			
ey metal ...	0	2	2				Grey metal, with iron-						
etal and post							stone girdles ...	1	1	2			
s ...	2	0	10				Mussel scalp ...	0	0	6			
etal and balls							Strong grey metal ...	0	4	4			
stone ...	1	3	9				Strong white post ...	0	1	6			
stone, mixed							Strong grey metal,						
coal ...	0	4	8				mixed with post ...	1	2	6			
xed with balls							Jet or black stone ...	0	0	6			
n ...	0	5	0				COAL — <i>Low Main</i>						
grey metal							<i>Seam</i> ...	0	3	4			
... ..	1	1	10								5	3	0
grey metal and							Thill ...				0	4	0
girdles ...	2	3	8				Strong grey metal and						
white post,							post girdles ...				2	2	0
with whin ...	1	3	0										
Brought forward	11	0	11	56	0	4	Total ...				100	1	0

No. 1,073.—HARTLEY BURN.

TOWNSHIP OF HARTLEY BURN, NORTHUMBERLAND.

Sheet 100 of Ordnance Map. Lat. 54° 55' 25", Long. 2° 31' 38".

Strata on the North side of the Great Stublick Dyke, at Hartley Burn Collier, nine miles West of the Town of Alston.

Approximate surface level 600 feet above sea (Ordnance datum).

	Ft.	In.	Ft.	In.		Ft.	In.	Ft.	In.
Moss and clay ...	8	0	0		Brought forward	4	4	0	10
Plate ...	1	4	0		COAL (a workable seam) ...	0	4	0	
COAL ...	0	2	0	10 0 0					5
Grey beds ...	1	0	0		Hazel sill ...	2	0	0	
Hazel sill ...	0	3	0		Grey beds and plate	2	0	0	
Grey beds ...	1	0	0		COAL (workable at Blackshield Bog) ...	0	2	4	
Hazel sill ...	0	4	0						4
Plate ...	1	3	0						
Carried forward	4	4	0	10 0 0	Total ...				*19

* Approximate sea level 481½ feet below this.

No. 1,074.—HARTON.

TOWNSHIP OF HARTON, DURHAM.

Sheet 4 of Ordnance Map. Lat. 54° 58' 91", Long. 1° 26' 28".

Strata bored through in the Green Lane, 12 chains to West of Boldon Turnpike, property of the Dean and Chapter of Durham, and within a few yards Copyhold Estate of Chas. Milner, Esq., of Biddick, Harton Estate. Hole. Commenced 7th March, 1836.

Approximate surface level 75 feet above sea (Ordnance datum).

	Ft.	In.	Ft.	In.		Ft.	In.	Ft.	In.
Soil ...	0	1	0		Brought forward				10
Yellow clay ...	1	4	0		Brown and red post...	1	3	0	
Stony clay ...	3	1	6		Stony clay, with scars of sand ...	0	3	6	
Leafy clay ...	0	2	6						
Stony clay ...	3	1	0		Blue and grey metal, with an inch of coal in the middle ...	0	1	0	
Leafy clay ...	0	4	6						
Stony clay ...	1	0	0	10 2 6	Carried forward	2	1	6	10
Carried forward	10	2	6						

* Approximate sea level (Ordnance datum).

No. 1,074.—HARTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	2	1	6	10	2	6	Brought forward	9	4	6	10	5	6
Yellow post, with a little water	...	0	3	0			Grey metal stone	...	1	2	6		
Grey metal stone	...	3	4	0			Black metal	...	0	0	4		
Brown post, with water	...	2	3	6			COAL	...	0	0	8		
Grey metal stone	...	0	1	6			Grey metal	...	0	4	6		
White post	...	0	2	0			Grey stone	...	1	1	6		
Brown metal...	...	0	1	0							13	2	0
Carried forward	9	4	6	10	5	6	Total	...	...		23	4	6

No. 1,075.—HARTON.

TOWNSHIP OF BOLDON, DURHAM.

Sheet 4 of Ordnance Map. Lat. 54° 57' 44", Long. 1° 25' 48".

No. 2 Hole. Strata bored through in the South-west Field, adjoining the Turnpike, in West Pasture Estate, Harton Royalty. Commenced 11th April, finished 21st May, 1836.

Approximate surface level 80 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	...	0	0	6			Brought forward	20	3	2			
Yellow clay	...	0	2	4			Grey metal	...	0	4	6		
Leafy clay	...	1	3	4			Grey metal stone and post girdles	...	0	2	2		
Stony clay	...	11	1	10		*	Dark grey metal	...	0	2	2		
	...	0	1	4			Grey metal stone and post girdles	...	0	1	3		
Leaf clay, scared with sand	...	2	4	0			COAL	...	0	0	5		
Loamy clay	...	0	2	6							22	1	8
Sand, with a little water	...	0	1	0			Grey metal	...	5	2	2		
Loamy sand	...	2	0	4			Grey metal, scared with coal	...	0	0	7		
Leafy clay	...	0	1	4			COAL	...	0	1	11		
Loamy sand	...	0	0	8							5	4	8
Marl and limestone	...	0	4	0			Left off in grey metal				0	0	4
Grey metal, scared with post	...	0	4	0									
Carried forward	20	3	2				Total	...	...		28	0	8

* Approximate sea level (Ordnance datum).

No. 1,076.—HARTON.

TOWNSHIP OF BOLDON, DURHAM.

Sheet 4 of Ordnance Map. Lat. 54° 57' 55", Long. 1° 25' 23".

No. 3 Hole. Strata bored through in the North-east Corner of the North-east Fi of West Pasture Estate, Harton Royalty. Commenced 23rd May, finished 11th June, 1836.

Approximate surface level 86 feet above sea (Ordnance datum).

	Fa.	Ft.	In.	Fa.	Ft.	In.		Fa.	Ft.	In.	Fa.	Ft.	In.
Soil ...	0	0	6				Carried forward	8	5	8			
Yellow clay ...	0	2	0				Stony clay (a little water at bottom) ...	3	3	10			
Blue clay ...	1	1	0				Loamy sand ...	1	4	6			
Stony clay ...	7	0	2					6	1	0			
Sand ...	0	2	0								20	3	
Carried forward	8	5	8				Total ...				20	3	

* Approximate sea level (Ordnance datum).

No. 1,077.—HARTON.

TOWNSHIP OF HARTON, DURHAM.

Sheet 4 of Ordnance Map. Lat. 54° 58' 18½", Long. 1° 25' 22".

No. 4 Hole. Strata bored through in Mr. Watson's (Dean and Chapter), in the Se west, adjoining a Field of Mr. Thomas Bell's, in Whitburn Township, Harton Royalty. Commenced 14th June.

Approximate surface level 80 feet above sea (Ordnance datum).

	Fa.	Ft.	In.	Fa.	Ft.	In.		Fa.	Ft.	In.	Fa.	Ft.	In.
Soil ...	0	0	9				Brought forward				9		
Brown clay ...	0	4	3				Brown post ...	0	3	6			
Leafy swelling clay ...	3	0	0				Red rotten stone and loam ...	1	4	6			
Strong clay ...	5	5	6				Stony clay ...	0	1	3			
				9	4	6	Grey metal ...	1	0	0			
											3		
Carried forward				9	4	6	Total ...				*13		

Lost this Hole in putting in the Boxes.

* Approximate sea level (Ordnance datum).

No. 1,078.—HARTON.

TOWNSHIP OF BOLDON, DURHAM.

Sheet 4 of Ordnance Map. Lat. 54° 57' 43", Long. 1° 25' 33".

No. 5 Hole. Strata bored through in a Field called East Flatts, in West Pasture Farm, in the Parish of Boldon, Harton Royalty. Begun September 4th, 1839.

Approximate surface level 85 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	0	4				Brought forward				16	1	6
Brown stony clay ...	7	4	6				Loamy sand	2	0	6			
Sand	0	1	0				Leafy clay	0	2	0			
Brown stony clay ...	1	0	8				Brown sand	0	3	0			
Soft brown freestone	3	3	0				Red clay, mixed with						
Brown sand, with							limestone	0	1	0			
water	0	3	0				In red and grey metal	0	2	6			
Brown sand	1	0	6								3	3	0
	2	0	6										
				16	1	6							
Carried forward				16	1	6	Total				19	4	6

* Approximate sea level (Ordnance datum).

No. 1,079.—HARTON.

TOWNSHIP OF HARTON, DURHAM.

Sheet 4 of Ordnance Map. Lat. 54° 58' 14", Long. 1° 26' 5".

Strata sunk through in Harton Pit, Harton and Whitburn Collieries. Broke the ground, 10th May, 1841; finished sinking the Sump, 24th July, 1844.

Approximate surface level 77 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward	1	3	3	15	0	2
Yellow clay ...	0	3	0				Dark grey metal or						
Blue leafy clay ...	1	1	0				thill and a little						
Blue gravelly clay	11	0	0				water ...	1	1	6			
	0	3	2			*	COAL ...	0	0	3			
Red clay ...	1	4	0				Dark grey metal or						
				15	0	2	thill ...	2	0	3			
Soft blue metal stone							COAL and a little						
and a little water...	1	3	0				water ...	0	0	4			
COAL ...	0	0	3				Strong dark and grey						
							metal, mixed with						
							post ...	1	3	2			
Carried forward	1	3	3	15	0	2	Carried forward	6	2	9	15	0	2

* Approximate sea level (Ordnance datum).

No. 1,079.—HARTON.—CONTINUED.

	Ft.	Ft.	In.	Ft.	Ft.	In.		Ft.	Ft.	In.	Ft.
Carried forward	6	2	9	15	0	2		Carried forward	4	4	1 45
Strong grey post and water	...	1	1	10				Post and water on south side of pit	...	6	0 0
Grey metal	...	3	0	0				Dark grey metal	...	2	0 0
Black metal	...	0	0	5				COAL	...	0	1 8
COAL	...	0	1	0				Grey metal or shale	...	0	4 0
				11	0	0		Grey post and water	...	0	5 2
Thill or grey metal	...	0	4	2				White post, with metal partings and water	...	19	2 8
Post girdle	...	0	0	10				Dark grey metal	...	2	4 3
Grey metal post girdles and a little water	...	2	2	2				COAL	...	0	0 8
White post girdle and water	...	0	3	5				Dark grey metal or thill	...	2	4 3
Black metal	...	0	2	9				COAL	...	0	0 5
COAL	...	0	0	4							39
				4	1	8		Brown shale	...	0	0 6
Thill	...	1	4	0				Grey post, with metal partings and water	...	1	1 3½
Grey post	...	0	3	2				Very damp red and white post	...	8	5 8½
Grey metal	...	0	2	6				COAL, stony	...	0	0 3
Grey post, with black partings	...	0	2	8				Soft grey metal or thill stone	...	1	1 0
Blue metal	...	0	5	8				Strong black metal, mixed with catheads	...	0	1 5
COAL	...	0	1	2				COAL	...	0	0 2½
				4	1	2		Strong light coloured grey post, with metal partings and whin girdles, also a bleeding of water	...	1	4 0
Dark grey shale	...	0	4	6				Dark grey metal	...	1	4 7
Grey metal	...	1	4	0							
COAL	Ft. In.										
Grey metal band	0 4										
COAL	...	0	6								
				0	2	0					
				2	4	6					
Post, with whin girdles and water	...	1	1	0							
Grey metal and water	...	0	3	4							
COAL	Ft. In.										
Band	...	0	3								
COAL	...	0	3								
				0	1	0					
				1	5	4					
Grey metal, with post girdles	...	1	2	4							
COAL	...	0	0	3							
Grey metal	...	0	5	2							
COAL	...	0	0	2							
Grey metal, with whin, post girdles, and water	...	3	5	7							
COAL	Ft. In.										
Brassy band	...	0	3								
COAL	...	1	3½								
				0	2	10					
				6	4	4					
Grey shale	...	0	4	0							
Grey metal, with post girdles and water	...	2	3	1							
Post and water on rise side of pit	...	1	3	0							
Carried forward	4	4	1 45	5	2			Carried forward			115

No. 1,079.—HARTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.			
Brought forward				115	1	5½	Brought forward	3	3	0	152	0	1			
Thill or grey metal ...	0	2	7				White post, with a									
COAL ...	0	0	6				little water (<i>sup-</i>									
Dark grey metal stone,							<i>posed Main Post</i>)	3	1	0						
with post and whin							Grey metal, with iron-									
girdles and water,							stone girdles ...	1	0	0						
and <i>coal pipes</i> at							<i>Supposed Main Coal</i>									
bottom of bed ...	2	2	1				<i>Seam—</i>									
White post, with metal							<i>Ft. In.</i>									
partings ...	2	1	11½				COAL ...	1	2							
Grey metal ...	0	1	4				Black slaty									
COAL , strong <i>Ft. In.</i>							band ...	0	1							
and good ...	2	6					COAL ...	0	2½							
Splint ...	0	6								0	1	5½				
				0	3	0							7	5	5½	
						5	5	5½								
Grey metal ...	0	1	6				Black slaty stone ...	0	3	0						
Strong white post,							Black slaty stone,									
with whin in places							mixed with <i>coal</i>									
and water ...	7	1	7½				<i>pipes</i> ...	0	0	6						
Black stone ...	0	0	3½				Grey shale stone ...	0	5	6						
COAL , black slaty ...	0	1	5½				Grey metal stone ...	3	3	0						
Grey metal, with post							Grey metal, with post									
girdles ...	2	3	8				girdles ...	5	3	0						
Black metal, with							Strong grey post, with									
ironstone girdles ...	0	3	0				metal partings and									
COAL ...	0	0	1½				whin girdles and a									
Dark grey metal,							little water ...	7	2	2						
with post and whin							Blue metal girdles ...	0	2	0½						
girdles ...	2	4	1				White post girdles,									
Hard white post, much							with metal partings	0	2	3						
mixed with whin in							COAL (<i>supposed</i>									
beds, also very coarse							<i>Metal Coal Seam</i> ...	0	1	10						
in the grain and																
much mixed with																
small metal and																
ironstone balls of																
various colours and																
a little water (<i>sup-</i>																
<i>posed 70 Fathoms</i>																
<i>Post</i>) ...	12	2	6													
Dark blue metal, with							Grey thill, with iron-									
metal balls and iron-							stone balls ...	0	4	0						
stone girdles (at a							Strong grey metal,									
depth of about 1							with post girdles ...	1	4	0						
fathom from the top							Strong dark grey me-									
of this stratum a							tal, with post girdles	2	2	0						
mussel bed of from							COAL , splint ...	0	0	5						
4 to 5 inches in							Grey metal, with post									
thickness was passed							girdles ...	1	4	0						
through) ...	1	3	0				Strong white post,									
Grey metal, with post							with whin girdles...	2	0	0						
girdles ...	1	0	0				Grey whin ...	1	2	0						
Black stone ...	2	1	5				Grey metal, with post									
COAL , strong and							and iron girdles ...	5	3	1						
good ...	0	0	6				Black slaty stone ...	0	1	0						
							COAL ...	0	0	9						
							Swad ...	0	0	3						
							Shale ...	0	4	0						
							Grey metal stone, with									
							whin girdles ...	1	1	9						
							COAL ...	0	0	3						
							Grey metal stone, with									
							post and whin girdles	4	1	3						
Grey metal, with post																
girdles ...	3	3	0													
Carried forward	3	3	0	152	0	1	Carried forward	21	4	9	178	4	10			

No. 1,079.—HARTON.—CONTINUED.

		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward		21	4	9	178	4	10
<i>Yard Seam—</i>		Ft.	In.				
COAL	...	0	8½				
Band	...	0	3½				
COAL	...	3	2				
			0	4	2		
					22	2	11
Thill stone	...	0	4	2			
Black stone	...	0	0	5½			
COAL, splinty	...	0	0	2½			
Grey metal	...	0	1	2			
Dark grey metal, with ironstone girdles	...	1	0	2			
Grey metal, with ironstone girdles	...	1	5	3			
Grey post, with metal partings	...	2	3	0			
Dark grey metal, with ironstone girdles	...	1	2	0			
White post, with whin girdles	...	0	5	6			
Grey post, with scamy metal partings and whin girdles	...	3	4	2			
Black metal	...	0	0	4			
Carried forward		12	2	5	201	1	9
		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward		12	2	5	201	1	9
<i>Bensham Seam—</i>		Ft.	In.				
COAL, top	...	3	0				
Splint	...	0	2½				
COAL, bottom	...	2	9½				
			1	0	0		
					13	2	5
<i>Sump:—</i>							
Blue metal, with whin, white post, and ironstone girdles	...	4	1	4			
<i>Six-Quarter Seam—</i>		Ft.	In.				
COAL, splinty	...	2	0				
COAL, good	...	1	8				
			0	3	8		
Left off in strong grey post	...	0	3	0			
					5	2	0
Total	...				220	0	2

No. 1,080.—HASWELL.

TOWNSHIP OF HASWELL, DURHAM.

Sheet 28 of Ordnance Map. Lat. 54° 46' 20", Long. 1° 24' 1".

Borehole in Haswell Royalty, near Shotton.

Approximate surface level 475 feet above sea (Ordnance datum).

		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk to limestone	...	12	0	0			
Yellow and brown limestone	...	52	0	0			
Strong blue limestone	...	2	0	3			
Sand and water	...	4	0	2			
Blue metal	...	1	0	2			
Red metal	...	0	1	4			
Black and red metal	...	0	1	0			
			71	2	11		
Total	...				*71	2	11

* Approximate sea level (Ordnance datum).

No. 1,082.—HASWELL.—CONTINUED.

	Fa.	Ft.	In.	Fa.	Ft.	In.			Fa.	Ft.	In.	Fa.	Ft.	In.
				4	3	7			25	3	0	52	0	2
Brought forward								Brought forward						
Soft limestone marl...	0	5	0					Strong post, with coal						
Mild white limestone	2	3	5					<i>pipes and thin part-</i>						
White limestone (got								<i>ings</i> ...	3	2	0			
first water here) ...	6	0	6					Light blue metal ...	1	4	0			
Strong white lime-								Black stone parting...	0	0	6			
stone ...	5	2	11					Light blue metal ...	0	3	8			
Mild limestone and								Black stone and iron-						
runs a great deal ...	1	0	6					stone girdles ...	0	0	9			
Mild brown limestone	6	0	7					COAL, splint ...	0	2	5			
Strong brown lime-												31	4	4
stone ...	0	2	8					Black stone ...	0	0	4			
Light brown lime-								Light blue metal and						
stone ...	5	4	0					ironstone ...	1	5	7			
Strong yellow lime-								Black stone ...	0	2	3			
stone, mixed with								Light blue metal and						
strong balls ...	2	0	4					ironstone girdles ...	1	0	0			
Mild white limestone	0	5	0					Black metal stone ...	0	0	7			
Strong white lime-								Blue metal ...	2	4	8			
stone, with water ...	8	3	0					Black metal stone ...	0	2	10			
Mild brown limestone	1	1	0											
Strong brown lime-								Three-Quarter Seam—						
stone, with water ...	2	3	0					Ft. In.						
Strong blue limestone	4	0	8					COAL, good ...	1	8				
				47	2	7		Band ...	0	4				
Dark blue metal ...	0	1	2					COAL ...	0	2				
Strong grey post ...	1	5	4					Band ...	0	2				
Grey metal ...	0	0	8					COAL, good ...	1	8				
Red freestone, with a											0	4	0	
little water ...	0	0	8										7	2
Strong white post (two								Dark thill stone, with						
wedging cribs laid								ironstone girdles ...	1	2	1			
here) ...	0	3	2					COAL—5,4 Seam ...	0	3	6			
Strong red post ...	1	2	0									1	5	
Purple and blue metal,								Thill stone ...	0	0	6			
with soft red post								Blue metal ...	3	5	6			
girdles ...	2	1	0					Post girdles, with						
Red and white post								metal partings and						
mixed ...	3	0	0					water ...	1	4	9			
Very soft grey metal	0	2	0					White post, with water	1	2	0			
Strong red and white								Grey metal, with						
post ...	4	4	0					strong post girdles..	2	0	0			
Blue metal ...	2	0	0					White post ...	0	2	3			
White post, with								Strong grey post, with						
scars of blue and								metal balls and part-						
grey metal ...	0	5	0					ings ...	3	1	0			
Strong grey post, with								White post, with whin						
a little water (wedg-								and balls of metal...	3	2	0			
ing crib here) ...	2	3	0					COAL—Main Coal	0	2	1			
Grey metal, with scars												16	2	
of coal and post								Dark thill stone ...	0	1	0			
girdles ...	0	4	0					Grey metal stone ...	0	1	0			
Post girdle, with								White post and part-						
metal partings and								ings ...	0	5	10			
water ...	1	5	0					Blue metal ...	0	4	0			
Strong post, with metal								COAL ...	0	0	1			
partings ...	2	2	10					Soft thill stone ...	0	4	0			
				0	5	2	*							
Carried forward	25	8	0	52	0	2		Carried forward	2	3	11	100	2	

* Approximate sea level (Ordnance datum).

	Px.	Ft.	In.	Px.	Ft.	In.		Px.	Ft.	In.		Px.	Ft.	In.
Brought forward	2	3	11	109	2	5		Brought forward				155	1	0
tal	1	1	0					Black stone	0	0	8½			
... ..	0	0	0½					Thill stone	0	4	0			
Blue metal	1	4	0					Blue metal	2	0	2			
grey post	1	1	0					Black stone	0	0	9			
... ..	3	3	0					COAL	0	0	6			
etal and post	5	2	0									3	0	1¼
s white post,	1	3	6					Thill stone	0	3	0			
metal partings	0	0	6					Blue metal	1	2	0			
tal	2	0	0					Grey post	0	3	8			
white post	1	1	0									2	2	8
ch mixed with	5	0	0											
... ..	0	3	7									160	3	9¼
ost (trouble in)	25	5	6½											
—Low Main	0	1	3					<i>Bored further, April,</i>						
... ..	0	4	0					1840:—						
	0	1	6					Black metal	0	1	4			
	0	5	0					Grey metal and post						
metal, mixed	0	3	0					girdles	0	1	0			
post girdles	1	1	0					Grey post	0	0	11			
st, mixed with	0	5	0					Very strong white post	0	0	5			
aetal... ..	0	0	10					Blue metal	0	0	7			
... ..	4	2	4					Post	0	1	4			
splint	0	1	3					Grey metal	0	2	4			
one	0	4	0					Grey metal and post						
tal	0	1	3					girdles	0	2	10			
ost	0	4	0					Blue metal	0	2	0			
tal	0	0	4					White post	0	0	11			
one	0	1	0					Blue metal and coal						
... ..	2	0	6					pipes	0	5	11			
rey thill stone	0	2	6					Dark blue metal	0	1	0½			
ong white post	2	2	0					Black metal	0	0	6			
etal and post	0	1	8					Post	0	0	3			
s	0	4	0					Soft black metal	0	1	7			
tal	3	3	7½					Grey metal and post						
tal, with post	5	1	0					girdles	0	0	5			
s white post,	0	5	5					Grey metal	0	1	5			
whin at top... ..	13	7	¾					Very strong post	0	1	5			
Seam— Ft. In.								Black metal	0	1	7			
L, good 4 1								Grey post	0	0	3			
L, coarse	0	2½						Black metal	0	3	10			
brassy 0 2½								Soft blue metal	0	3	8			
L, not	0	5½						Grey metal and post						
arse... 0 5½								girdles	0	4	11			
L, splint 0 4½								Strong post	0	0	4			

No. 1,082.—HASWELL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.
				4	3	7		25	3	0	52
Brought forward							Brought forward				
Soft limestone marl...	0	5	0				Strong post, with coal				
Mild white limestone	2	3	5				<i>pipes and thin part-</i>				
White limestone (got							<i>ings</i> ...	3	2	0	
first water here) ...	6	0	6				Light blue metal ...	1	4	0	
Strong white lime-							Black stone parting...	0	0	6	
stone ...	5	2	11				Light blue metal ...	0	3	8	
Mild limestone and							Black stone and iron-				
runs a great deal ...	1	0	6				stone girdles ...	0	0	9	
Mild brown limestone	6	0	7				COAL, splint	0	2	5	
Strong brown lime-											31
stone ...	0	2	8				Black stone ...	0	0	4	
Light brown lime-							Light blue metal and				
stone ...	5	4	0				ironstone ...	1	5	7	
Strong yellow lime-							Black stone ...	0	2	3	
stone, mixed with							Light blue metal and				
strong balls ...	2	0	4				ironstone girdles ...	1	0	0	
Mild white limestone	0	5	0				Black metal stone ...	0	0	7	
Strong white lime-							Blue metal ...	2	4	8	
stone, with water...	8	3	0				Black metal stone ...	0	2	10	
Mild brown limestone	1	1	0								
Strong brown lime-							Three-Quarter Seam—				
stone, with water ...	2	3	0				Ft. In.				
Strong blue limestone	4	0	8				COAL, good	1	8		
				47	2	7	Band ...	0	4		
Dark blue metal ...	0	1	2				COAL ...	0	2		
Strong grey post ...	1	5	4				Band ...	0	2		
Grey metal ...	0	0	8				COAL, good	1	8		
Red freestone, with a											0 4 0
little water ...	0	0	8								7
Strong white post (two							Dark thill stone, with				
wedging cribs laid							ironstone girdles ...	1	2	1	
here) ...	0	3	2				COAL—5/4 Seam ...	0	3	6	
Strong red post ...	1	2	0								1
Purple and blue metal,							Thill stone ...	0	0	6	
with soft red post							Blue metal ...	3	5	6	
girdles ...	2	1	0				Post girdles, with				
Red and white post							metal partings and				
mixed ...	3	0	0				water ...	1	4	9	
Very soft grey metal	0	2	0				White post, with water	1	2	0	
Strong red and white							Grey metal, with				
post ...	4	4	0				strong post girdles..	2	0	0	
Blue metal ...	2	0	0				White post ...	0	2	3	
White post, with							Strong grey post, with				
scares of blue and							metal balls and part-				
grey metal ...	0	5	0				ings ...	3	1	0	
Strong grey post, with							White post, with whin				
a little water (wedg-							and balls of metal...	3	2	0	
ing crib here) ...	2	3	0				COAL—Main Coal	0	2	1	
Grey metal, with scares											16
of coal and post							Dark thill stone ...	0	1	0	
girdles ...	0	4	0				Grey metal stone ...	0	1	0	
Post girdle, with							White post and part-				
metal partings and							ings ...	0	5	10	
water ...	1	5	0				Blue metal ...	0	4	0	
Strong post, with metal	2	2	10				COAL ...	0	0	1	
partings ...	0	5	2			*	Soft thill stone ...	0	4	0	
Carried forward	25	3	0	52	0	2	Carried forward	2	3	11	10

* Approximate sea level (Ordnance datum).

No. 1,082.—HASWELL.—CONTINUED.

	Fa.	Ft.	In.	Fa.	Ft.	In.		Fa.	Ft.	In.	Fa.	Ft.	In.	Fa.	Ft.	In.
Brought forward	10	1	9½	160	3	9½		Brought forward	0	2	5	176				
Grey metal and post								Strong post ...	1	2	1					
girdles ...	0	5	2					Grey metal, with post								
Blue metal ...	0	2	7					girdles ...	0	2	10					
Post ...	0	0	5					Blue metal ...	0	0	6					
Blue metal ...	0	3	5					Post ...	0	5	8					
Dark blue metal ...	1	1	5					Blue metal ...	1	2	0					
Strong white post ...	0	0	9					Grey metal ...	0	4	11					
Grey metal ...	1	0	11					Grey metal, with post								
Blue metal ...	0	0	9					girdles ...	0	5	5					
Grey metal ...	0	1	1					Post ...	0	0	7					
Black metal ...	0	0	7					Grey post ...	1	5	8					
COAL— <i>Beaumont</i>								Blue metal ...	0	2	7					
<i>Seam</i> ...	0	1	6					Post, very strong ...	0	0	3					
				15	2	4½										8
Grey metal ...	0	0	9													
Dark blue metal ...	0	1	8													
Carried forward	0	2	5	176	0	2		Total ...								184

No. 1,083.—HASWELL.

TOWNSHIP OF HASWELL, DURHAM.

Sheet 28 of Ordnance Map. Lat. 54° 46' 48", Long. 1° 25' 58".

No. 1 Hole, at Haswell Colliery. Account of Strata bored through in Sir G. S. Property.

Approximate surface level 500 feet above sea (Ordnance datum).

	Fa.	Ft.	In.	Fa.	Ft.	In.		Fa.	Ft.	In.	Fa.	Ft.	In.
Soil ...	0	1	0				Brought forward	20	1	5			
Brown sandy clay ...	0	5	0				Mild brown lime-						
Soft limestone marl ...	1	2	0				stone ...	0	5	9			
Strong white lime-							Strong brown lime-						
stone ...	3	4	0				stone ...	0	0	10			
Strong white lime-							Dry sand ...	11	3	0			
stone ...	2	5	0				Sand, with water ...	12	2	8			
Mild brown lime-							Soft freestone or sand,						
stone (got water at							with grey metal						
19 fms. 1 ft. 6 ins.							partings ...	2	1	7			
from surface) ...	11	0	9				Left off in very hard						
Strong brown lime-							grey post ...	0	0	3			
stone ...	0	1	8										47
Carried forward	20	1	5				Total ...						*47

* Approximate sea level 214½ feet below this.

No. 1,087—HAUXLEY.—CONTINUED.

	Ft.	Ft.	In.	Ft.	Ft.	In.		Ft.	Ft.	In.	Ft.	Ft.	In.
Brought forward				5	0	0	Brought forward				42	5	0
al stone	4	4	5				Grey metal	0	3	0			
...	0	0	7				strong grey metal						
				4	5	0	stone	1	1	0			
al	3	5	6				White post, with						
...	0	0	6				water	8	0	9			
al and scases							Grey metal	0	0	5			
l and brass							COAL	0	0	2			
...	0	0	10				Grey metal	0	2	7			
				4	0	10	Grey post, with metal						
y metal	0	5	4				partings	2	0	7			
							Grey metal stone	0	3	6			
...	0	10					COAL	0	0	8			
al	0	3									12	0	8
brassy	0	9					Grey metal	1	2	7			
							COAL	0	0	4			
	0	1	10				Grey metal	0	0	5			
				1	1	2	Grey post, with metal						
	0	0	6				partings	2	3	0			
al	0	3	0				White	0	1	6			
nd grey post	7	1	6				Grey and white post	0	4	1			
with water	0	0	6				COAL	0	2	5			
				7	5	6					5	2	4
al and metal							Grey metal and metal						
...	1	2	0				stone	0	3	0			
...	0	0	6				White post, with sandy						
metal	2	3	0				partings	12	4	0			
ey post	3	1	10				Black metal	0	0	6			
y post	0	0	2				Grey metal stone	0	2	0			
	0	1	4				COAL	0	0	6			
etal, mixed											13	4	0
al	0	0	1				Grey metal stone, with						
				7	2	11	post girdles	2	4	6			
al	0	0	9				Strong white post	0	3	0			
ey post, with	8	3	4				Grey metal stone and						
ey metal and	0	1	6				metal, with post						
of coal	0	0	4				girdles	1	1	6			
				8	5	11							
rey metal	2	0	10				COAL	1	2				
, foul	0	0	6				Blue metal	1	2				
metal, scared							COAL	0	2				
coal	0	0	4				Grey metal	0	3				
etal	0	5	6				COAL, scared						
	0	0	6				with white						
				3	1	8	stone	0	3				
										0	3	0	
Carried forward	42	5	0								5	0	0
							Grey metal stone	0	2	2			
							In whin	0	0	2			
											0	2	4
							Total				80	2	4

18th October, 1793.—Rods measured by Mr. Barney, brought to
80 fms. 2 ft. 8 in.

No. 1,085.—HASWELL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	24	0	8				Brought forward	58	0	0			
Mild limestone, with							Blue metal ...	0	3	9			
water ...	3	5	0				Sand (not through it)	18	0	0			76
Strong limestone, with													
thin girdle...	2	5	4										
Soft marl ...	27	1	0										
Carried forward	58	0	0				Total ...						76

No. 1,086.—HAUXLEY.

TOWNSHIP OF HAUXLEY, NORTHUMBERLAND.

Sheet 47 of Ordnance Map. Lat. , Long.

Account of Strata bored at Hauxley in the Link Sand. February, 1793.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sand ...	1	0	0				Carried forward				11		
Stony clay ...	2	5	6				Grey metal ...	0	2	0			
Grey metal ...	0	1	6				Dark metal ...	0	1	6			
COAL , foul ...	0	0	6				COAL , foul ...	0	0	6			
Grey metal ...	0	2	3										0
COAL , foul ...	0	0	9				Grey metal ...	4	2	7			
Grey metal ...	0	2	6				Black metal, with						
Scamy grey post ...	0	3	0				scares of coal ...	0	0	5			
Grey metal stone ...	2	3	0				COAL , with a small						
Scamy grey post ...	0	3	0				band 33 inches from						
Grey post, with water	2	2	6				the top ...	0	5	5			5
Grey metal ...	0	2	3										
COAL ...	0	2	5										
				11	5	2							
Carried forward				11	5	2	Total ...						17

No. 1,087.—HAUXLEY.

TOWNSHIP OF HAUXLEY, NORTHUMBERLAND.

Sheet 47 of Ordnance Map. Lat. , Long.

Account of the Boring in the 3rd Place near Hauxley, on the Links, near Amble End. March 21st, 1793.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk and boxes put in	3	4	8				Brought forward	4	4	8			
Grey metal stone, with							COAL ...	0	1	4			
post girdles and water	1	0	0										5
Carried forward	4	4	8				Carried forward						5

No. 1,087—HAUXLEY.—CONTINUED.

Brought forward			Fs.	Ft.	In.	Fs.	Ft.	In.
			5	0	0			
Grey metal stone ...	4	4	5					
COAL ..	0	0	7					
			4	5	0			
Grey metal ...	3	5	6					
COAL ...	0	0	6					
Dark metal and scares of coal and brass lumps ...	0	0	10					
			4	0	10			
Dark grey metal ...	0	5	4					
COAL ...	Ft. In.							
Grey metal ...	0	10						
COAL , brassy	0	3						
			0	1	10			
			1	1	2			
Grey post ...	0	0	6					
Grey metal ...	0	3	0					
White and grey post	7	1	6					
COAL , with water...	0	0	6					
			7	5	6			
Grey metal and metal stone ...	1	2	0					
COAL ...	0	0	6					
Soft grey metal	2	3	0					
White grey post	3	1	10					
Coal pipy post	0	0	2					
COAL ...	0	1	4					
Blue metal, mixed with coal ...	0	0	1					
			7	2	11			
Grey metal ...	0	0	9					
White grey post, with water ...	8	3	4					
Dark grey metal and scares of coal ...	0	1	6					
COAL ...	0	0	4					
			8	5	11			
White grey metal ...	2	0	10					
COAL , foul ...	0	0	6					
Grey metal, scared with coal ...	0	0	4					
Grey metal ...	0	5	6					
COAL ...	0	0	6					
			3	1	8			
Carried forward			42	5	0			

Brought forward			Fs.	Ft.	In.	Fs.	Ft.	In.
			42	5	0			
Grey metal ...	0	3	0					
strong grey metal stone ...	1	1	0					
White post, with water ...	8	0	9					
Grey metal ...	0	0	5					
COAL ...	0	0	2					
Grey metal ...	0	2	7					
Grey post, with metal partings ...	2	0	7					
Grey metal stone	0	3	6					
COAL ...	0	0	8					
			13	0	3			
Grey metal ...	1	2	7					
COAL ...	0	0	4					
Grey metal ...	0	0	5					
Grey post, with metal partings ...	2	3	0					
Whin ...	0	1	6					
Grey and white post	0	4	1					
COAL ...	0	2	5					
			5	2	4			
Grey metal and metal stone ...	0	3	0					
White post, with sandy partings ...	12	4	0					
Black metal ...	0	0	6					
Grey metal stone	0	2	0					
COAL ...	0	0	6					
			13	4	0			
Grey metal stone, with post girdles ...	2	4	6					
Strong white post ...	0	3	0					
Grey metal stone and metal, with post girdles ...	1	1	6					
COAL ...	Ft. In.							
Blue metal ...	1	2						
COAL ...	0	2						
Grey metal ...	0	3						
COAL , scared with white stone ...	0	3						
			0	3	0			
						5	0	0
Grey metal stone ...	0	2	2					
In whin ...	0	0	2					
			0	2	4			
Total ...			80	2	4			

18th October, 1793.—Rods measured by Mr. Barney, brought to
80 fms. 2 ft. 8 in.

No. 1,088.—HEATON.

TOWNSHIP OF LONG BENTON, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. 55° 0' 2", Long. 1° 34' 35".

*Account of Strata sunk through at Heaton New Pit, in Mr. Brown's Estate,
at Long Benton*

Approximate surface level 200 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Outset	3	0	0				Brought forward	47	2	0			
Clay	3	2	0				Soft black stone ...	0	1	0			
Brown post	4	3	0				Blue stone	3	0	0			
Grey metal stone ...	1	4	7				COAL	0	1	10			
COAL	0	0	6								3	2	10
				12	4	1	Blue stone	0	5	3			
Short grey metal stone	1	0	8				Blue stone, with post						
Grey post	2	1	4				girdles	1	0	6			
White post	2	1	3				Soft blue stone ...	0	1	0			
Grey metal stone ...	4	3	10				Whin	0	2	0			
COAL	0	1	0				Grey post	1	1	8			
				10	2	1	Blue stone	2	1	4			
Grey post	0	4	0				Black stone	0	4	6			
Grey metal stone,							COAL	0	1	0			
mixed with post and											6	5	3
whin	2	5	1				Blue stone	1	1	0			
Whin	0	0	7				Grey post	3	0	0			
Grey metal stone,							Black stone	0	1	0			
mixed with post ...	3	3	3				COAL	0	0	2			
Whin	0	5	0								4	2	2
Hard metal stone ...	1	1	3				Blue stone	1	2	0			
Whin	1	0	8			*	Grey post girdles ...	0	1	2			
	0	0	6				Blue stone, with whin	1	2	6			
Hard grey metal stone	2	0	0				COAL	0	0	4			
Black metal stone ...	0	1	8								3	0	0
Grey metal stone ...	3	1	0				Post—70-Fathom Post	2	0	0			
Hard grey post	0	2	0				Blue stone	0	4	0			
COAL	0	0	8				Black stone	2	3	1			
				16	1	8	COAL	0	1	6			
Hard grey metal stone,											5	2	7
mixed with post ...	0	5	2				Thill stone	0	1	10			
COAL	0	1	2				Post—Main Post ...	6	3	10			
				1	0	4	COAL , clean and						
Grey metal stone ...	0	2	8				good—Main Coal						
Soft post	0	2	0				Seam	0	5	10			
Grey metal stone ...	1	3	2								7	5	6
White post	4	3	6				Thill	0	1	4			
COAL	0	0	6				Blue stone	1	2	8			
				6	5	10					1	4	0
Carried forward							Total				80	0	4
				47	2	0							

* Approximate sea level (Ordnance date).

No. 1,089.—HEATON.

TOWNSHIP OF HEATON, NORTHUMBERLAND.

Sheet 97 of Ordnance Map. Lat. 54° 59' 24", Long. 1° 35' 12".

Account of Boring in the Fortune Pit, at Heaton Colliery. 1736.

Approximate surface level 120 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.			
Scaffold ...				15	4	0		Brought forward	6	0	0	32	0	11		
Open brown and grey scamy post, with red and brown partings and much water ...	1	3	0					Blue and black metal, with catheads ...	0	5	0					
Grey and brown metal stone ...	0	2	0					Whin ...	0	1	0					
Grey post girdles, with metal partings ...	1	0	0					White post girdles, with metal partings ...	0	2	0					
Strong grey post gir- dles or lumps ...	0	1	0					Blue and black metal, with catheads ...	1	2	0					
Blue metal, with cat- heads ...	1	0	0					<i>Three-Quarter Seam—</i> Black metal, mixed with								
Open post girdle and water ...	0	0	6					<i>coal</i> ...	Ft.	In.						
Blue and grey metal, with girdles and catheads ...	0	1	6					or lump ...	0	3						
Soft black metal ...	0	2	0					COAL , foul	1	0						
Black metal, mixed with <i>coal</i> ...	0	1	0								0	1	9			
				6	3	6							8	5	9	
Grey metal ...	0	3	0					Grey metal ...	0	2	0					
Grey metal stone, with girdles, catheads, and water ...	2	1	0					Post, mixed with whin	0	1	0					
Grey post, with strong open girdles and metal partings, with water ...	2	0	0					Blue metal, with post girdles and lumps...	1	0	0					
Whin ...	0	0	9					White post girdles, with water ...	0	4	0					
Grey metal ...	0	3	0					Whin ...	0	0	10					
Black and grey metal, with catheads and some girdles ...	4	0	0					Grey post ...	0	2	6					
Black metal, scared with <i>coal</i> ...	0	2	6					White post ...	2	1	6					
COAL , foul ...	0	1	2					Strong white post ...	0	1	6					
				9	5	5		Grey post, with water at bottom ...	0	1	6					
Grey sandy metal ...	1	3	0					Blue metal, with cat- heads ...	1	3	0					
Grey metal stone ...	1	1	0					Black slaty metal, with girdles or catheads	0	3	0					
Grey post ...	0	2	0					COAL ...	0	0	10					
Grey and blue metal	2	0	0								7	3	8			
Strong white post girdles, with grey scamy post and water ...	1	0	0					Soft grey metal ...	0	2	0					
								Grey and blue metal, with girdles or lumps ...	2	1	0					
								COAL ...	0	0	6					
											2	3	6			
								Grey metal ...	0	1	0					
								Black metal, scared with <i>coal</i> ...	0	0	3					
								Grey and blue metal, with post girdles and water ...	2	3	0					
Carried forward	6	0	0	32	0	11		Carried forward	2	4	3	51	1	10		

* Approximate sea level (Ordnance datum).

W

	Fs.	Pt.	In.	Fs.	Pt.	In.	Fs.	Pt.	In.	Fs.	Pt.	In.	Fs.	Pt.	In.
Brought forward	2	4	3	51	1	10				Brought forward					60
Blue metal, with cat-heads	0	3	0							Grey metal	0	1	0		
COAL and black slaty metal	0	0	4							Grey metal stone	0	4	6		
				3	1	7				Strong white post	2	2	0		
Grey and blue metal	1	2	0							White post, with a mixture of whin girdles	2	2	0		
A white whin girdle or lump	0	0	4							Grey coal pipe post... ..	0	0	8		
Grey scamy post. with water	0	1	0							Whin	0	3	0		
Grey metal	0	3	0							White post	0	4	0		
A mixture whin girdle or lump	0	0	4							A mixture of whin	0	2	6		
Grey metal, with girdles	1	0	0							Coal pipe post	0	0	6		
Black metal, with girdles	1	0	0							White post, with a mixture of whin girdles or lumps	2	5	0		
Black metal, with girdles	2	0	6							Grey coal pipe post... ..	0	1	6		
COAL , foul	0	0	10							Grey metal	0	0	8		
				6	2	0				Black metal	0	0	3		
Carried forward				60	5	5				COAL—Upper Main	0	5	10		11
										Grey metal	0	0	3		
										COAL (into)	0	0	2		0
										Total					72

TOWNSHIP OF HEATON, NORTHUMBERLAND.

*Account of Boring at Heaton Colliery, in trial for the Stone Head for the Se
Pit. May. 1795.*

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.
Sunk to box	1	0	0				Brought forward	14	4	0	
Strong clay	2	1	0				Leafy clay, mixed				
Sand, mixed with soft							with sand	0	1	6	
clay, and water ...	0	5	0				Strong stony clay ...	4	2	0	
Sand, with scales of							Sand	0	0	10	
clay, and water ...	0	3	0				Clay, with a mixture				
Sand, with water ...	1	3	0				of sand	0	0	9	
Leafy clay	0	2	0				Strong stony clay,				
Strong stony clay ...	7	5	0				mixed with gravel	1	0	3	
Leafy clay, mixed											20
with sand	0	1	0				In blue grey metal ...				0
Sand	0	2	0								
Carried forward	14	4	0				Total				21

No. 1,091.—HEATON.

TOWNSHIP OF HEATON, NORTHUMBERLAND.

Sheet 97 of Ordnance Map. Lat. , Long.

*Account of Boring in the second place at Heaton, about 200 yards of the first.
June, 1795.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Black soil	0	1	0			
Sand, with water	3	2	0			
Leafy clay, mixed with sand	0	4	6			
In sand, mixed with clay	0	1	6			
				4	3	0
Total				4	3	0

No. 1,092.—HEATON.

TOWNSHIP OF HEATON, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. 54° 59' 45", Long. 1° 34' 58".

Account of Boring in the E Pit, Heaton. January, 1801.

Approximate surface level 209 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Sunk to the scaffold...				23	5	0		Brought forward	6	5	6	47	2	0
Boxes ...	11	0	0				COAL ...	0	1	0				
	3	4	6								7	0	6	
Strong white post, with hard girdles and water ...	8	2	9				Soft black metal ...	0	0	9				
Grey metal ...	0	0	3				Dark grey metal ...	0	4	6				
Black metal, mixed with coal, and coal	0	1	6				Grey metal stone ...	0	1	6				
				23	3	0	Whitish grey post, with water	1	3	0				
Grey metal stone ...	2	1	0				Whin, mixed with white post...	1	0	0				
Grey and white scamy post ...	2	2	9				Whin ...	0	2	6				
Grey metal stone, with hard girdles ...	1	5	0				Strong grey metal stone ...	2	3	0				
Black grey metal, with hard lumps ...	0	2	9				Blue metal ...	0	1	6				
							COAL ...	0	0	6				
											6	5	3	
Carried forward	6	5	6	47	2	0		Carried forward			61	1	9	

* Approximate sea level (Ordnance datum).

No. 1,092.—HEATON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				61	1	9	Brought forward	0	2	0	66		
Grey metal stone ...	1	0	6				Strong white post, with						
Whin mixture, with							a mixture of whin						
water ...	0	2	0				in several places and						
Black slaty metal stone							whin girdles ...	8	2	0			
and black grey							White post, with						
metal ...	3	1	0				strong girdles ...	0	4	6			
COAL ...	0	0	10				Grey scaling post ...	1	4	1			
				4	4	4	COAL (into) — sup-						
Grey post ...	0	2	0				posed to be <i>High</i>						
							<i>Main Seam</i> ...	1	0	0			12
Carried forward	0	2	0	66	0	1	Total ...						78

No. 1,093.—HEATON.

TOWNSHIP OF HEATON, NORTHUMBERLAND.

Sheet 97 of Ordnance Map. Lat. 54° 59' 20", Long. 1° 34' 17".

Bored in trial for the Low Main Coal Seam, in the C Pit, Heaton Colliery. 15

Approximate surface level 160 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk to the thill of {				26	4	0	Brought forward	8	4	2	84		
the <i>High Main</i> {				53	2	0	Strong whin mixture	0	3	3			
Coal ...							Strong white post ...	1	3	3			
Box ...	0	1	2				Grey metal stone ...	1	5	6			
Black metal and <i>foul</i>							COAL ...	0	1	4			12
coal ...	0	4	0										
Grey metal, with gir-							Grey metal stone ...	0	2	0			
dles or catheads ...	2	3	4				White post and whin						
Black grey metal, with							girdles ...	0	3	0			
girdles or catheads	0	4	8				Grey metal stone and						
COAL ...	0	0	4				post girdles ...	2	5	2			
Grey metal ...	0	1	8				Strong white post and						
COAL , hard, with							metal partings ...	1	4	0			
sulphur ...	0	2	2				COAL , with sulphur	0	0	11			5
				4	5	4							
Grey metal stone ...	0	1	6				Grey metal ...	0	2	0			
White post ...	1	0	0				Grey post ...	1	0	0			
Grey metal stone, with							Strong white post,						
girdles ...	1	2	2				mixed with whin ...	2	0	0			
Black grey metal stone	1	1	0				Grey metal stone,						
Grey metal stone ...	2	2	0				with mixture whin						
Whin ...	0	0	8				girdles ...	4	4	9			
Grey metal stone, with							COAL , with sulphur	0	2	10			8
whin girdles ...	1	3	4										
White post ...	0	3	0				Dark grey metal ...	0	0	6			
Grey metal stone and													
girdly post ...	0	2	6				Carried forward	0	0	6	111		
Carried forward	8	4	2	84	5	4							

* Approximate sea level (Ordnance datum).

No. 1,093.—HEATON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
ht forward	0	0	6	11	5	6	Brought forward	2	1	1	13	2	9
te post ...	5	0	6				Black slaty metal, with						
... ..	0	1	4				small beds of coal						
epost, with							and sulphur ...	0	1	5			
of whin											2	2	6
l places ...	4	4	0				Whitish grey metal ..	1	0	0			
grey post	1	5	6				Dark grey metal stoep,						
... ..	1	0	0				with hard girdles ...	4	3	0			
metal, with							Whitish grey metal ...	3	1	3			
... ..	0	0	6				Black grey metal ...	0	0	6			
... ..	0	0	10				Grey metal stone ...	0	2	0			
				13	1	2	Grey post ...	0	1	0			
with post							Grey metal stone ...	0	3	0			
... ..	1	2	4				Grey metal ...	0	1	8			
with metal							COAL, coarse ...	0	0	4			
... ..	1	4	0								10	0	9
... ..	0	0	8				Grey metal, with some						
... ..	0	0	9				small scars of coal	0	0	4			
... ..	0	1	5				Grey metal stone ...	2	0	0			
... ..	0	2	6				Strong grey white						
ey metal							post ...	0	1	2			
ith strong							Grey metal stone ...	1	2	0			
... ..	0	5	2				Whin ...	0	0	9			
... ..	0	0	6				Strong grey metal						
metal, with							stone ...	0	2	0			
coal and							Whin mixture ...	0	2	0			
... ..	0	1	9				Strong white post ...	0	4	6			
th sulphur	0	1	0				Grey metal stone ...	0	2	0			
				5	2	1	Strong white post,						
and metal							with a mixture of						
with whin							whin ...	1	3	0			
... ..	2	0	6				Grey metal ...	0	1	0			
loul, with							Whin mixture ...	0	4	6			
... ..	0	0	7				In strong white post	0	0	11			
d forward	2	1	1	13	2	9					8	0	2
							Total ...				151	0	2

—The total expense of boring and attendance, sharpening gear, value of ropes boring, wood, iron, and workmanship for a brake underground (in the time of the above) was £349 2s. 1d.

No. 1,094.—HEBBURN.

TOWNSHIP OF HEDWORTH, MONKTON, AND JARROW, DURHAM.

Ordnance Map. Lat. 54° 38' 46", Long. 1° 30' 9".

Work through in the B Pit, Hebburn Colliery.

At surface level 80 feet above sea (Ordnance datum).

	Fs.	Ft.	In.		Fs.	Ft.	In.
Brought forward	11	0	0				
With metal part-	2	2	0				
... ..	6	2	0				
Brought forward	19	4	0				
... ..							

At surface level 80 feet above sea (Ordnance datum).

No. 1,094.—HEBBURN.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.
Brought forward	19	4	0				Brought forward	2	3	4	70
Blue metal ...	0	2	0				White post girdles, with metal partings	0	1	0	
COAL ...	0	3	0	20	3	0	Whin ...	0	3	0	
Blue metal ...	1	2	0				White post, with metal partings ...	0	5	6	
Grey metal stone ...	2	3	0				Grey metal ...	0	1	0	
Post, with metal part- ings ...	1	4	0				Grey metal and white post ...	4	0	3	
Blue metal stone ...	0	5	6				Bluish grey metal ...	4	5	9	
Grey metal, with post girdles ...	2	4	6				COAL ...	0	0	5	
Blue metal stone ...	1	5	0								13
Grey metal, with post girdles ...	5	2	0				Bluish grey metal ...	2	5	6	
Hard white post ...	1	4	0				COAL ...	0	0	2	
Grey metal, with post girdles ...	4	4	0								2
Grey metal, with open partings ...	0	3	0				Grey thill ...	0	2	4	
Blue metal ...	6	5	6				Bluish grey metal ...	3	1	2	
Blue and black metal ...	1	1	6								
COAL ...	0	0	2	31	2	2	70-Fathoms Coal—				
							COAL ...	1	2		
Black metal ...	0	0	6				Grey thill ...	4	6		
White thill ...	0	4	10				COAL ...	0	2		
White post ...	0	2	5								0 5 10
Blue metal ...	0	0	1								4
Grey post ...	0	0	6				Grey metal and post girdles ...	2	0	0	
Grey metal, with post	0	1	0				Blackish grey metal ...	2	5	6	
Strong white post ...	2	3	6				Post ...	1	1	2	
Strong white post, with grey metal partings ...	0	4	6				COAL ...	0	0	4	
Strong white post ...	8	0	0								6
COAL ...	0	0	2	12	5	6	Grey thill ...	1	0	0	
Grey thill ...	0	3	10				Bluish grey metal, with post girdles ...	3	0	6	
Grey thill, with metal	1	5	0				Strong white post ...	4	4	6	
Grey metal ...	0	1	0				Brown post, with blue metal partings ...	1	1	10	
Post, with metal part- ings ...	0	3	0				Strong white post ...	4	2	2	
Strong white post, with whin ...	0	3	0				Blue metal ...	1	0	0	
Grey and blue metal	0	4	0				Post ...	0	1	6	
Black stone ...	0	3	0				Black stone ...	0	5	0	
COAL ...	0	0	4	4	5	2	White post ...	0	2	6	
Black stone ...	0	1	4				Bluish grey metal ...	1	5	0	
COAL ...	0	1	0	0	2	4	Black stone ...	2	0	0	
Strong grey thill ...	0	2	6				COAL ...	0	0	6	
Strong grey post ...	0	0	10								20
White post girdles, with metal partings	1	3	0				Grey thill ...	0	4	0	
White post ...	0	3	0				Blue and grey metal	0	5	0	
							Post ...	10	2	0	
Carried forward	2	3	4	70	0	2	COAL—Main Seam	1	0	0	
											15
							White thill ...	0	1	8	
							COAL, slaty ...	0	2	4	
							Blue metal ...	0	1	0	
							Total ...				131

No. 1,095.—HEBBURN.

TOWNSHIP OF HEDWORTH, MONKTON, AND JARROW, DURHAM.

Sheet 3 of Ordnance Map. Lat. 54° 38' 47", Long. 1° 31' 16".

Strata sunk through to the High Main Seam, in the C Pit, Hebburn Colliery.

Approximate surface level 80 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Clay ...	13	2	0				*	Brought forward	2	0	8	48	5	0
Brown metal ...	0	3	6					Whin ...	0	1	5			
Brown post, with water ...	8	2	0					White post ...	0	2	4			
Blue metal, with water ...	9	2	0					Grey metal, with post girdles ...	3	0	2			
Black stone ...	0	3	6					Blue stone, with whin girdles ...	1	0	2			
COAL ...	0	0	10					Black stone ...	0	1	8			
				33	3	10		Thill ...	0	2	5			
Thill ...	0	3	0					Grey post ...	1	1	10			
Grey metal, with post girdles ...	1	4	4					Whin ...	0	1	6			
Grey post, with water ...	1	0	0					Grey post, with fresh water ...	3	4	6			
Blue stone ...	0	3	0					Whin ...	0	3	11			
White post ...	0	2	0					Grey post ...	0	3	6			
Blue stone ...	0	0	11					Whin ...	0	1	2			
Grey post, with whin ...	0	4	8					Grey post ...	0	5	2			
Blue stone ...	0	0	4					Blue stone ...	0	3	3			
White post, with water ...	1	4	0					Scamy post ...	0	3	4			
Blue stone ...	0	0	3					COAL ...	0	0	6			
Grey stone, with water ...	0	5	0									16	1	6
Blue stone ...	0	0	2					Black thill ...	0	1	2			
Grey post, with water ...	0	0	6					Grey thill ...	1	1	2			
Blue stone ...	0	0	2					Black band, mixed with coal ...	0	0	5			
Grey post, with water ...	1	4	11					Black thill ...	0	1	7			
Scamy post ...	0	0	7					Whin girdles ...	0	0	11			
Grey post, with water ...	0	1	0					Blue stone, with whin girdles ...	1	2	8			
COAL ...	0	0	3					COAL ...	0	0	4			
				9	5	1						3	2	3
Thill ...	0	2	0					Black thill ...	0	1	1			
Black stone ...	0	0	2					Scamy post ...	1	1	4			
COAL ...	0	0	2					Blue stone, with whin girdles ...	1	2	7			
				0	2	4		COAL ...	0	0	8			
Thill ...	0	3	3									2	5	8
Blue stone, with water ...	1	5	6					Black thill ...	0	0	1			
Grey post, with water ...	1	0	11					Grey thill ...	0	2	6			
Blue stone ...	0	5	0					Whin ...	0	2	7			
COAL ...	0	0	4					Scamy post ...	0	0	4			
				4	3	0		White post ...	0	2	6			
Thill ...	0	2	2					Grey metal stone ...	0	1	0			
COAL ...	0	0	7					Whin girdles ...	0	0	7			
				0	2	9		Grey metal and whin girdles ...	1	0	7			
Whin ...	0	0	10											
Thill ...	0	1	4											
Grey post, with water ...	1	2	6											
Scamy post ...	0	2	0											
Carried forward	2	0	8	48	5	0		Carried forward	2	4	2	71	2	5

* Approximate sea level (Ordnance datum).

No. 1,095.—HEBBURN.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Brought forward	2	4	2	71	2	5		Brought forward	6	1	9	78	2	4
Black stone ...	0	0	3					White post ...	0	2	0			
COAL ...	0	0	8								6	3	9	
				2	5	1		Whin ...	0	4	0			
Thill ...	0	3	0					Dry white post, with						
White post, with whin	0	4	0					partings ...	7	3	0			
Blue stone, with whin								COAL ...	0	0	3			
girdles ...	0	4	7					Black stone ...	0	0	1			
Black stone, mixed								COAL ...	0	0	2			
with a little coal at											8	1	6	
bottom ...	0	2	4					Thill ...	0	1	1			
Thill ...	0	2	2					Grey metal, with post						
Grey post ...	0	1	10					girdles ...	2	1	1			
Blue stone, with whin								Black stone ...	0	2	4			
girdles ...	0	1	2					Grey metal, with post						
Grey post, mixed with								girdles ...	1	3	3			
whin ...	0	2	0					Black stone, with whin						
Blue stone, with whin								girdles ...	2	2	0			
girdles ...	0	3	6					COAL ...	0	0	3			
COAL ...	0	0	3								6	4	0	
				4	0	10		Strong grey thill ...	1	0	5			
Strong grey thill ...	0	3	8					Grey post ...	0	2	0			
Grey post ...	0	1	10					Post— <i>Main Post</i> ...	9	0	0			
Seamy post ...	0	0	7					Blue stone ...	0	4	0			
Grey post ...	0	1	6					White post ...	0	2	0			
Blue stone, with a								Blue stone ...	1	0	0			
little coal at bottom	0	3	2					COAL—High Main						
Grey thill, with whin	1	1	0					<i>Seam</i> ...	1	0	2			
Grey metal stone,											13	2	7	
with whin and post														
girdles ...	3	2	0											
Carried forward	6	1	9	78	2	4		Total ...			113	2	2	

No. 1,096.—HEBBURN.

TOWNSHIP OF HEDWORTH, MONKTON, AND JARROW, DURHAM.

Sheet 3 of Ordnance Map. Lat. , Long.

Bored from the Thill of the High Main Seam, in the C Pit, Hebburn Colliery.
Commenced, May 8th, 1821; finished, September 29th, 1821.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Depth from surface to thill of <i>High Main</i>							Brought forward	6	2	4	113	2	2
<i>Seam</i> ...				113	2	2	COAL and sulphur—						
COAL , loose, small, and foul ...	0	4	6				<i>Metal Coal</i> ...	0	2	6			
Grey metal and metal stone, with iron- stone girdles ...	5	3	10								6	4	10
							Grey metal ...	0	1	6			
							Grey and blue metal stone, with post girdles ...	3	4	4			
Carried forward	6	2	4	113	2	2	Carried forward	3	5	10	120	1	0

No. 1,096.—HEBBURN.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	3	5	10	120	1	0		Brought forward			149	4	6
Black metal ...	0	1	2					Dark metal ...	0	0	6		
Blue metal ...	0	1	0					Grey metal stone, with					
White post ...	0	1	10					hard girdles ...	1	2	0		
Blue metal, inclining								COAL , foul, mixed					
to post, with thin								with slaty metal ...	0	1	5		
ironstone girdles and											1	3	11
some beds of post...	2	5	1					Dark slaty metal ...	1	0	0		
COAL — <i>Stone Coal</i>	0	0	7					Blue metal stone, with					
				7	3	6		post girdles ...	0	5	3		
Blue metal stone and								Strong white post,					
thin girdles ...	0	3	9					mixed with whin ...	0	1	0		
Strong white post ...	0	1	0					Blue metal stone, with					
Blue metal stone ...	1	0	3					post girdles ...	0	5	10		
White post ...	0	4	6					Strong white post ...	2	1	8		
Blue metal stone, with								Grey metal stone, with					
post girdles ...	5	0	2					hard girdles ...	0	3	0		
COAL — <i>Yard Seam</i>	0	1	5					<i>Six-Quarter Seam</i> —					
				7	5	1		COAL , coarse, with					
Black slaty metal ...	0	0	4					slaty scare bands...	0	1	9		
Blue metal ...	0	1	6								6	0	6
COAL , foul ...	0	1	0					Blue metal and metal					
				0	2	10		stone, with some					
Blue metal stone, with								beds of post ...	3	2	0		
girdles ...	1	1	10					Black slaty stone,					
COAL ...	0	1	1					mixed with <i>foul coal</i>					
				1	2	11		and sulphur— <i>Five-</i>					
Grey and blue metal	0	2	1					<i>Quarter Seam</i> ...	0	2	6		
COAL ...	0	1	3								3	4	6
				0	3	4		Blue metal ...	0	1	6		
Grey and blue metal								Blue metal stone, with					
stone ...	0	4	2					thin girdles ...	2	2	6		
White post ...	0	0	10					Strong white post ...	4	1	8		
Blue metal stone ...	0	5	7					Grey metal stone ...	0	3	4		
White post ...	0	2	4					Strong white post ...	0	2	10		
Blue metal stone and								Blue metal ...	1	4	10		
hard thin girdles ...	8	3	0										
Softish grey metal ...	0	0	6					<i>Low Main Seam</i> —					
<i>Bensham Seam</i> —								COAL , with Ft. In.					
COAL , coarse,								sulphur ...	2	6			
with sulphur,								COAL , slaty	0	3			
pretty strong								COAL , coarse	0	10			
and burns								COAL , slaty	0	8			
to brownish Ft. In.								COAL , coarse,					
white ash ...	2	8						with sulphur	1	2			
COAL , foul										0	5	5	
and softish,											10	4	1
with a mix-								Black metal, with					
ture of black								sulphur ...	0	0	11		
metal ...	0	7						Grey thill ...	0	1	9		
COAL , coarse,								White metal stone ...	0	2	9		
with sulphur,								White post ...	0	1	8		
not so strong								Blue metal stone ...	0	1	8		
as the first in								White post ...	0	1	8		
this seam, but								Blue metal stone ...	0	1	0		
nearly of the								White post ...	0	2	2		
same quality	2	2						Blue metal stone ...	0	1	8		
				0	5	5		White post ...	0	2	2		
				11	3	10					2	5	5
Carried forward	149	4	6					Total ...			174	4	11

No. 1,097.—HEDDON.

TOWNSHIP OF HEDDON-ON-THE-WALL, NORTHUMBERLAND.

Sheet of Ordnance Map. Lat. , Long.

The second Hole bored in a Coal-pit, about the middle of Heddon-on-the-Wall Bank, where sunk 9½ fathoms. January 22nd, 1740.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk				9	3	0	Brought forward	2	2	0	17	3	3
Gravelly stone and <i>small coal</i> ...	1	4	6				Blue metal, with grey post girdles ...	2	3	0			
Grey metal stone, with post girdles ...	1	0	6				Grey metal	0	1	8			
COAL	0	1	2				COAL , good.. ..	2	1				
				3	0	2	Grey metal	0	4				
Grey and brown metal	0	1	0				COAL , good.. ..	0	8				
Brown and grey post	1	0	0							0	3	1	
Open brown post, with water	2	0	0								5	3	9
Brown and grey post	1	3	0				Grey metal	0	1	0			
							White post	0	3	0			
							White and grey metal, with catheads ...	1	3	0			
COAL , open.. ..	1	4											
Slate or band... ..	0	1											
COAL , open.. ..	0	8											
				0	2	1							
				5	0	1	COAL , good.. ..	0	6				
Grey metal	1	1	0				Soft grey metal ..	0	7				
White post, and set away the water ...	1	0	0				COAL , good.. ..	3	2				
Grey metal, scared with <i>coal</i>	0	1	0							0	4	3	
											2	5	3
							Soft grey metal ...	0	1	0			
							In grey metal	0	0	6			
											0	1	6
Carried forward	2	2	0	17	3	3	Total				26	1	9

No. 1,098.—HEDDON.

TOWNSHIP OF HEDDON-ON-THE-WALL, NORTHUMBERLAND.

Sheet 87 of Ordnance Map. Lat. , Long.

The third Hole bored on the Bank Head, near Heddon-on-the Wall. March 5th, 1740.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and brown gravelly clay ...	0	3	0				Brought forward	1	3	0			
Broken brown post ...	1	0	0				Brown post ...	1	0	0			
							Brown grey metal ...	0	2	0			
Carried forward	1	3	0				Carried forward	2	5				

	Fa.	Ft.	In.	Fa.	Ft.	In.		Fa.	Ft.	In.		
Brought forward	2	5	0				Brought forward	9	1	3		
COAL and black slate ...	0	10					Grey metal ...	1	0	0		
COAL , very open and small ...	1	6					Grey metal, with brown and grey post girdles	0	4	9		
COAL , open and small, with water...	2	0					Grey metal stone, with metal partings ...	0	4	6		
	—	0	4	4			Grey metal, scared with <i>coal</i> ...	0	0	9		
			3	3	4		Grey metal, with grey post girdles ...	2	3	0		
Grey metal ...	1	3	6				Grey and black metal	1	1	6		
COAL , open	0	1	3				COAL , good ...	0	2	1		
			1	4	9					6	4	7
Grey and brown metal	0	1	4				Grey metal ...	0	3	0		
Grey and brown post, with water	3	2	0				COAL , good ...	0	0	8		
										0	3	8
COAL , open	1	2					Grey metal, with grey post girdles ...	3	0	0		
Black metal ...	0	2										
COAL , open	0	6					COAL ...	0	5			
	—	0	1	10			Soft grey metal	0	7			
			3	5	2		COAL , good...	3	2			
								—	0	4	2	
Carried forward	9	1	3							3	4	2
							Soft grey metal ..	0	0	5		
							In grey post ...	0	0	2		
										0	0	7
							Total ...			20	2	3

TOWNSHIP OF HEDDON-ON-THE-WALL, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. Lat. , Long.

*Account of the Boring at Heddon-on-the-Wall Ground to the West from the Reigh.
near Close House Gardens. October 30th, 1740.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
First of soil	0	1	6				Brought forward				4	2	10
Brown sandy clay	0	4	0				Grey metal, with post						
Blue stony clay	1	0	0				girdles and water	4	3	0			
Brown sandy clay,							Soft grey metal	1	3	0			
with water	2	0	0				Grey metallic stone	2	1	0			
Black stony clay	0	3	0				Open grey post, with						
COAL, soft	0	0	4				water (water rose						
				4	2	10	to top)	0	1	2			
Carried forward				4	2	10	Carried forward	8	2	2	4	2	10

No. 1,099.—HEDDON.—CONTINUED.

Carried forward	Fs.	Ft.	In.	Fs.	Ft.	In.	Brought forward	Fs.	Ft.	In.	Fs.	Ft.	In.
Blue and black metal,	8	2	2	4	2	10	Grey metal, with gir-	8	3	2	16	2	
with catheads ...	0	4	6				dles or lumps ...	0	3	0			
COAL ...	0	0	4				COAL ...	0	1	0			
				9	1	0					9	1	0
White grey metal ...	2	3	0				Grey metal ...	0	4	6			
COAL ...	0	1	6				COAL ...	0	0	6			
				2	4	6					0	4	6
Grey metal ...	0	4	6				Grey post ...	0	1	6			
Grey metal, with post							Grey post, with scamy						
girdles ...	0	3	0				partings ...	2	1	8			
White post, with scamy							Open parting, with						
partings and much							water, which rose						
water ...	2	3	0				to top ...	0	0	4			
Black metal ...	0	2	0				Strong white post,						
White post ...	0	3	0				mixed with whin ...	0	4	6			
Black stone ...	0	4	8				Blue metal parting ...	0	0	4			
White grey metal ...	1	4	0				In white post ...	0	1	0			
White post, with whin											3		
girdles and scamy													
partings ...	1	3	0										
Carried forward	8	3	2	16	2	4	Total ...				29		

No. 1,100.—HEDDON.

TOWNSHIP OF HEDDON-ON-THE-WALL, NORTHUMBERLAND.

Sheet 87 of Ordnance Map. Lat. , Long.

An Account of Boring on the North side of Heddon, in the North Field Bog, near
Stone Wall that parts Lord Carlisle's Estate from that of Mrs. Hindm
October 3rd, 1757.

Approximate surface level feet above sea (Ordnance datum).

G. Humble & Co. bored	Fs.	Ft.	In.	Fs.	Ft.	In.	Brought forward	Fs.	Ft.	In.	Fs.	Ft.	In.
15 fms. 3 ft. and got							Black metal, scared	1	4	0	15		
what is called the							with foul coal ...	0	0	6			
North Field Coal							Black metal ...	0	1	0			
(3 ft. 5 in.), and then							COAL ...	0	3	0			
J. Rawling began at											2		
the thill of the coal							Soft grey metal ...	0	1	6			
and bored from ...				15	3	0	COAL ...	0	0	6			
Blue metal ...	0	1	0								0		
Grey metal, with post							In grey metal ...				0		
girdles ...	1	3	0										
Carried forward	1	4	0	15	3	0	Total ...				18		

No. 1,101.—HEDDON.

TOWNSHIP OF HEDDON-ON-THE-WALL, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. About Lat. 54° 59' 18", Long. 1° 46' 44".

*Bored in Heddon Colliery about 600 yards to the West from Throckley Engine.
November 22nd, 1762.*

Approximate surface level 25 feet above sea (Ordnance datum).

	Fa.	Ft.	In.	Fa.	Ft.	In.
Soil and clay	1	1	6			
Soft brown ramby stone	1	1	6			
COAL	0	1	9			
				2	4	9
Blue metal stone, with girdles	1	2	3			
	0	2	6			
In strong grey post	0	2	6			
				2	1	3
Total				5	0	0

* Approximate sea level (Ordnance datum).

No. 1,102.—HEDDON.

TOWNSHIP OF HEDDON-ON-THE-WALL, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. About Lat. 54° 59' 18", Long. 1° 46' 29".

Second place, bored about 300 yards East from the first place.

Approximate surface level 25 feet above sea (Ordnance datum).

	Fa.	Ft.	In.	Fa.	Ft.	In.
Soil and stony clay	1	5	0			
Sand and gravel, with water	0	2	0			
Broken brown post, or strong brown gravel, with water	1	3	0			
COAL	0	2	3			
				4	0	3
In grey metal				0	0	3
Total				4	0	6

* Approximate sea level 6 inches below this.

No. 1,103.—HEDDON.

TOWNSHIP OF HEDDON-ON-THE-WALL, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. About Lat. $54^{\circ} 59' 18''$, Long. $1^{\circ} 46' 38''$.*Third place, bored in Heddon Banks, about 100 yards West from the second place.*

Approximate surface level 25 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay...	...	1	1	6			Brought forward				6	2	4
Brown post ...	...	0	3	0			Grey metal ...	...	0	3	0		
Blue metal, with scares							White post ...	...	0	2	6		
of coal near the top	0	1	1				Grey scamy stone ...	...	0	4	6		
Dun and grey scamy							White post ...	...	0	2	0		
stone, with open							Blue metal ...	...	0	3	0		
gulleets, with water											3	1	0
and set away the	2	1	5										
water ...	0	5	7										
Grey metal stone, with							COAL ...	Ft. In.					
post girdles ...	0	5	6				Grey metal ...	0	6				
COAL ...	0	2	3				COAL ...	3	1				
				6	2	4			0	4	0		
Carried forward				6	2	4	Total ...				9	3	4

* Approximate sea level (Ordnance datum).

No. 1,104.—HEDDON.

TOWNSHIP OF HEDDON-ON-THE-WALL, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. Lat. , Long.

*Bored in Thos. Softley's Field, 100 yards South-east from Heddon Reigh.
April 13th, 1763.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Blue metal ...	...	0	1	6			Brought forward	1	4	9½			
Grey metal ...	...	0	3	0			Blue metal ...	...	0	0	8		
White post ...	...	0	2	2			Whin girdle ...	...	0	0	7		
Blue metal ...	...	0	0	10			White grey girdles ...	...	0	1	10		
Brown post, with cash							Grey girdles ...	...	0	1	2½		
partings ...	...	0	1	6½			Brown post ...	...	0	2	0		
Brown post ...	...	0	0	7			Blue metal ...	...	0	5	1		
Cashy partings ...	...	0	0	3			COAL ...	...	0	1	5		
Blue grey girdly stone,											3	5	7
with partings ...	0	0	11										
Carried forward	1	4	9½				Carried forward				3	5	7

No. 1,104.—HEDDON.—CONTINUED.

	Ft.	Ft.	In.	Ft.	Ft.	In.		Ft.	Ft.	In.	Ft.	Ft.	In.
Brought forward				3	5	7		Brought forward	1	0	0	8	0 11½
Thill	0	3	0					White grey girdly					
Blue metal	0	1	1½					stone	1	0	0		
Blue metal, with grey								Cashy parting	0	0	2½		
girdles	0	1	2					Grey girdles	0	0	4½		
White post	0	4	6½					White grey post	0	1	11		
Grey post	0	2	1½					Grey metal	0	1	5½		
Whin girdle	0	0	5					White grey post	0	2	7		
Blue metal	0	3	1					Brown post	0	1	0		
Hard white grey post	0	2	7½					Strong white post	0	1	0½		
Blue grey metal	0	3	4					Cashy parting	0	0	3		
Blue grey metal	0	1	5					Brown post	0	0	3		
COAL	0	2	6½					Hard white post	0	1	5½		
				4	1	4½		Hard white post	0	1	1½		
Soft thill	0	1	0½									3	5 8
Grey metal	0	4	11½										
Carried forward	1	0	0	8	0	11½		Total				12	0 7½

No. 1,105.—HEDDON.

TOWNSHIP OF HEDDON-ON-THE-WALL, NORTHUMBERLAND.

Sheet of Ordnance Map. Lat. , Long.

*Account of Boring at Heddon Colliery, about 200 yards North-West from Heddon
New Winning. July 18th, 1763.*

Approximate surface level feet above sea (Ordnance datum).

	Ft.	Ft.	In.	Ft.	Ft.	In.		Ft.	Ft.	In.	Ft.	Ft.	In.
Soil and clay	0	3	0					Carried forward			5	2	10
Gravel	1	3	0					Grey metal stone	4	0	0		
Sand and gravel, with								Grey post, with brown					
water at the bottom	2	1	6					scames, and water					
Brown post	0	0	8					near the bottom	2	0	0		
Blue metal	0	3	6					White and grey post	3	1	6		
								Blue grey metal	0	3	0		
COAL, foul	1	9						Black metal	0	0	6		
Grey metal	0	10						COAL, with water					
COAL	0	7						at the top	0	2	4		
				0	3	2					10	1	4
Carried forward				5	2	10		Total			15	4	2

No. 1,106.—HEDDON.

TOWNSHIP OF HEDDON-ON-THE-WALL, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. Lat. , Long.

Second place, bored on Heddon Banks, about 180 yards to the West from the first and about 500 yards East from the Close House Boundary. 1763.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and gravelly clay	1	3	0				Brought forward	10	3	0			
Strong stony clay ...	4	1	6				Soft black slaty metal	0	0	6			
Brown post ...	0	0	6				COAL , but will not						
Blue grey metal ...	0	4	0				cake or burn to any						
Grey scamy stone ...	0	3	9				cinder ...	0	2	6			
Blue metal stone ...	1	5	3								11	0	0
Grey scamy post, with							In grey metal ...				0	0	4
hard girdles ...	1	3	0										
Carried forward	10	3	0				Total ...				11	0	4

No. 1,107.—HEDDON.

TOWNSHIP OF HEDDON-ON-THE-WALL, NORTHUMBERLAND.

Sheet 96 of Ordnance Map. Lat. 54° 59' 27", Long. 1° 46' 54".

Bored in the Richard Pit, at Heddon, from the Thill of the Main Coal. April 3rd, 1764.

Approximate surface level 150 feet above sea (Ordnance datum).

	Ft.	In.	Ft.	In.		Ft.	In.	Ft.	In.	
Main Coal ...	16	0	0		Brought forward	23	1	4		
Soft grey thill ...	0	0	9		Grey metal stone ...	0	1	0		
Strong white and					Grey and brown post,					
brown post ...	1	0	0		with water ...	1	2	0		
Brown and grey post	1	3	0		Grey metal stone {	0	1	8		
Blue metal ...	0	1	6			0	4	4	*	
Grey and brown post,					Grey and brown gul-					
with whin girdles...	1	3	0		lety post, with water	1	0	0		
Grey metal and metal					Grey and white post...	8	0	0		
stone ..	0	5	0		Blue metal ...	0	0	3		
White and grey post	1	0	0		White post ...	0	0	6		
Grey metal stone ...	0	2	0		Black and blue metal	0	0	6		
Grey metal ...	0	1	0		COAL , rather hard					
					near the bottom ...	0	2	5		
COAL ...	1	5						12	0	8
Blue grey metal	1	0			Hard girdle ...	0	0	3		
COAL , with					In grey metal stone...	0	0	9		
water, rather								0	1	0
slaty at the top	0	8								
			7	1	4					
Carried forward	23	1	4		Total ...			*35	3	0

* Approximate sea level (Ordnance datum).

No. 1,108.—HEDDON.

TOWNSHIP OF HEDDON-ON-THE-WALL, NORTHUMBERLAND.

Sheet 87 of Ordnance Map. Lat. _____, Long. _____

*Account of Boring on Heddon Estate, about 100 yards North from the Turnpike,
in Blakey's West Field, and about 140 yards South-west from
Captain Slater's Pit.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay	0	3	0				Brought forward	0	1	6	4	3	7
COAL	0	0	2				Black stone and white						
Grey thill	1	0	8				girdles	1	3	5			
White and dun post	0	3	0				COAL and blue stone	1	3	0			
Black stone and white											3	1	11
girdles	1	5	4				Thill	0	2	0			
COAL	0	3	5				Grey post girdles ...	1	1	6			
				4	3	7	Black stone	0	3	0			
Thill	0	1	6								2	0	6
Carried forward	0	1	6	4	3	7	Total				10	0	0

No. 1,109.—HEDDON.

TOWNSHIP OF HEDDON-ON-THE-WALL, NORTHUMBERLAND.

Sheet _____ of Ordnance Map. Lat. _____, Long. _____

First place, bored in a Staple at Heddon Banks.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk about				3	0	0	Brought forward				6	4	8
Box	0	1	6				Grey metal stone ...	0	2	2			
Brown and grey scamy							COAL	0	0	3			
metal	0	1	10				Grey metal stone, with						
COAL	0	0	5				post girdles and						
Grey metal, with							metal partings ...	1	4	0			
brown scames and							Grey scamy post ...	0	5	0			
post girdles with							Grey metal	0	1	0			
water	3	0	0				COAL , foul Ft. In.						
COAL , but will not							and slaty	0	6				
cake	0	0	11				Grey metal stone ...	0	5				
				3	4	8	COAL	3	1				
											0	4	0
											3	4	5
Carried forward				6	4	8	Carried forward				10	3	1

Y

No. 1,109.—HEDDON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				10	3	1	Brought forward				17	0	0
Dunnish grey metal...	0	0	5				Dun metal ...	0	0	6			
Grey scamy metal stone ...	0	3	0				Dun metal stone, with water ...	1	5	6			
White post ...	1	2	6				Grey metal stone and girdles ...	1	5	0			
Grey and brown scamy metal stone ...	0	3	0				Strong white post, with gully partings near the top and water ...	8	5	2			
Brown gully post, with water and set away the top feeders	0	5	6				COAL, with water...	0	1	10			
Whin ...	0	1	0								13	0	0
Brown and grey post	0	5	6				Black grey metal stone				0	2	6
Blue metal stone, with post girdles ...	1	3	7										
Blue metal ...	0	1	0										
COAL, with water...	0	1	5										
				6	2	11							
Carried forward				17	0	0	Total ...				30	2	6

No. 1,110.—HEDDON.

TOWNSHIP OF HEDDON-ON-THE-WALL, NORTHUMBERLAND.

Sheet 87 of Ordnance Map. Lat. , Long.

Second place, bored at Heddon Colliery on the North side of the Turnpike.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay...	0	2	0				Brought forward				6	5	6
COAL, foul ...	0	1	8				Grey metal ...	0	1	10			
				0	3	8	White and grey metal stone ...	0	4	10			
Soft grey metal ...	0	3	4				COAL ...	0	1	2			
Brown and white post	0	4	6								1	1	10
White and grey metal stone ...	2	2	0				Grey metal stone ...	0	5	0			
Brown post, with water ...	1	5	6				White and brown ramby post ...	1	3	0			
COAL, but will not cake nor burn to any cinder ...	0	4	6				Brown post ...	1	3	4			
				6	1	10					3	5	4
							COAL ...	0	0	6			
							Grey metal ...	0	0	2			
							COAL ...	0	1	1			
											0	1	9
							In grey metal stone				0	0	7
Carried forward				6	5	6	Total ...				12	3	0

No. 1,112.—HEDDON.—CONTINUED.

	Ft.	Ft.	In.	Ft.	Ft.	In.		Ft.	Ft.	In.	Ft.
Brought forward	2	2	6				Brought forward				19
Brown post	2	0	6				Grey metal	0	1	6	
Brown and white post.							Grey metal stone, with				
with water	2	5	4				hard lumps	0	4	6	
COAL	6	0	5				COAL	0	0	8	
				8	2	9					1
Grey scamy metal	0	1	0				Strong grey metal				
Grey metal stone, with							stone	1	3	0	
water	1	4	0				Black metal, mixed				
COAL	0	2	2				with coal	0	0	5	
				2	1	2	Strong grey metal				
Grey metal	0	0	6				stone, with post gir-				
Grey metal stone, with							dles	1	0	0	
post girdles	1	1	6				White and brown post,				
Grey post	0	1	4				with a mixture of				
Brown thready post.							whin girdles	3	4	0	
with water	0	1	8				Grey metal	0	0	6	
Grey post	0	3	0				Grey post	0	1	4	
Strong grey post,							Strong grey metal	0	1	2	
mixed with whin	0	1	6								
Grey post	0	3	6				COAL	0	5		
White and grey metal							Black metal,				
stone, with hard gir-							mixed with				
dles and water	1	4	0				coal	0	2		
Dark grey metal stone	2	0	6				COAL	4	0		
Grey metal stone	2	0	6								
COAL	0	1	0								
				9	1	0					7
Carried forward				19	4	11	In grey metal				0
							Total				28

No. 1,113.—HEDDON.

TOWNSHIP OF HEDDON-ON-THE-WALL, NORTHUMBERLAND.

Sheet 87 of Ordnance Map. Lat. 54° 59' 39", Long. 1° 46' 46".

Bored on Heddon Banks about 100 yards to the North from the Gee Pit.

Approximate surface level 340 feet above sea (Ordnance datum).

	Ft.	Ft.	In.	Ft.	Ft.	In.		Ft.	Ft.	In.	Ft.
Soil and stony clay	0	2	0				Brought forward	9	0	0	
Brown sandy ramble	0	4	0				COAL	0	1	1	
Sandy gravel	0	1	0				Grey metal	0	4	6	
Brown post	1	0	0				COAL	0	1	0	
Blue grey metal	4	1	0								10
Blue and black metal	0	4	0				Blue grey metal stone	0	5	5	
Brown scamy ramble	1	1	0				Grey post	0	2	0	
Black metal, scamed							In whin	0	0	7	
with coal	0	0	6								1
Grey metal	0	4	6								
Carried forward	9	0	0				Total				*11

* Approximate sea level 271½ feet below this.

No. 1,116.—HEDDON.

TOWNSHIP OF HEDDON-ON-THE-WALL, NORTHUMBERLAND.

Sheet of Ordnance Map. Lat. , Long.

Account of Strata sunk through in the Margaret Pit, Heddon Colliery.

Approximate surface level feet above sea (Ordnance datum).

	Ft.	ft.	In.	Ft.	ft.	In.
Outset	...	...	0 3 0			
Soil	...	...	0 1 4			
Gravel	...	...	0 1 2			
Sand	...	...	0 0 11			
Soft post	...	...	2 0 0			
Grit	...	...	0 0 4			
Engine Seam—	Ft.	In.				
COAL	...	3 0				
Clay	...	2 8				
			0 5 8			
				4 0 5		
Blue metal	...	...	1 5 5			
Strong light metal	...	...	0 1 0			
Dark metal	...	...	0 4 1			
Tilly Seam—	Ft.	In.				
COAL	...	1 1				
Clay	...	2 10				
			0 3 11			
				3 2 5		
White post, with partings	...	...	4 1 3			
Hodge Seam—	Ft.	In.				
COAL	...	2 1				
Clay, with iron balls	...	4 3				
			1 0 4			
				5 1 7		
Blue metal	...	...	0 1 0			
White post	...	...	0 0 6			
Dark metal, with post girdles	...	...	1 0 5			
Dark metal	...	...	0 0 6			
Grey metal	...	...	1 0 4			
Post, with partings	...	...	1 1 7			
Post, with whin	...	...	1 1 5			
Grey metal	...	...	0 4 0			
Three-Quarter Seam—						
	Ft.	In.				
COAL	...	2 4				
Clay band	...	1 0				
COAL band	...	0 6				
Clay	...	1 6				
			0 5 4			
				6 3 1		
White post	...	...	0 5 0			
Blue metal	...	...	1 2 0			

	Ft.	ft.	In.	Ft.	ft.	In.
Brought forward	2	1	0	19		
Main Coal Seam—						
	Ft.	In.				
COAL	...	0 6				
Clay	...	0 5				
COAL	...	2 10				
Splint	...	0 4				
Clay	...	1 0				
			0 5 1			
				3		
Clay, with iron balls	...	0 2 3				
White post	...	0 5 0				
Blue metal	...	0 0 5				
White post	...	0 3 0				
Blue metal	...	0 0 9				
White post	...	0 1 0				
Blue metal	...	0 0 9				
White post	...	1 3 9				
Grey and white post	...	0 3 9				
Blue metal	...	1 0 0				
White post	...	0 2 6				
Blue metal	...	0 2 6				
Black Seam—	Ft.	In.				
COAL	...	1 9				
Clay	...	0 11				
COAL	...	0 5				
Clay	...	2 6				
			0 5 7			
				7		
Clay, with iron balls	...	0 2 6				
Grey metal	...	0 3 6				
White post	...	0 4 6				
Blue metal	...	0 3 9				
Clay Seam—	Ft.	In.				
COAL	...	0 1				
Clay	...	1 6				
			0 1 7			
				2		
Grey post	...	1 4 6				
Leafy post	...	7 5 0				
Post, with blue metal	...	0 5 3				
Brockwell Seam—						
	Ft.	In.				
Ramble	...	0 2				
COAL	...	2 8				
Splint	...	0 4				
Clay	...	1 5				
			0 4 7			
				11		
Into hard white post.						
Carried forward	2	1	0	19	1	6
Total	...	...	...	43		

No. 1,117.—HEDLEY.

TOWNSHIP OF HEDLEY, DURHAM.

Sheet 6 of Ordnance Map. Lat. _____, Long. _____

Bored in Hedley Town. August 25th, 1744.

Approximate surface level _____ feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Gravel, with water ...	3	1	0				Brought forward	21	1	0			
Sand ...	0	5	0				Brown and grey post	2	0	0			
Soft leafy clay ...	3	4	0				Brown and grey post,						
Stony clay ...	4	3	0				with water in sandy						
Sand ...	1	5	0				places ...	10	3	0			
Soft leafy clay and							White post, with coal						
sand ...	0	1	6				pipey partings ...	2	5	0			
Stony clay ...	1	3	0				Black and grey metal,						
Blue and grey metal	0	4	6				scared with coal ...	0	3	0			
Brown scamy post,													
and set away the							COAL ...						
water ...	0	3	0				Ft. In.						
Brown scamy post,							COAL ...	2	10				
with water ...	1	0	0				Slate or band ...	0	2				
Brown and grey							COAL ...	2	3				
scamy post ...	2	0	0										
Brown scamy post,													
and set away the													
water ...	1	1	0										
Carried forward	21	1	0				Into grey metal ...				37	5	3
											0	0	6
							Total ...				37	5	9

No. 1,118.—HEDLEY.

TOWNSHIP OF HEDLEY, DURHAM.

Sheet 6 of Ordnance Map. Lat. $54^{\circ} 54' 8''$, Long. $1^{\circ} 39' 44''$.*Bored about 100 yards South of Hedley, in Middlemas' Farm. Level with Beamish Drift.*

Approximate surface level 520 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0			
Sand and gravel ...	1	5	0			
Sand, with water ...	2	0	0			
with leafy clay ...	1	0	0			
	6	0	0			
				11	0	0
Total				*11	0	0

Approximate surface level _____ feet below this.

No. 1,119.—HEDLEY.

TOWNSHIP OF HEDLEY, DURHAM.

Sheet 6 of Ordnance Map. Lat. $54^{\circ} 51' 2''$, Long. $1^{\circ} 39' 44''$.*Bored about 300 yards South of Hedley, in Nicholas Cowey's Farm.
June 7th, 1744.*

Approximate surface level 495 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Black peat moss ...	0	3	0				Brought forward	18	0	4			
Sand ...	0	1	6				Sand and gravel ...	0	2	0			
Soft leafy clay ...	1	3	0				Gravelly or broken post, with water ...	3	2	0			
Sand, with water ...	1	3	0				Gravelly or broken post, with stony clay and layers of coal	1	3	0			
Sand, scared with soft clay ...	0	3	0				COAL , mixed with sand ...	0	5	0	24	0	4
Leafy clay ...	3	1	0				Stony clay ...	5	0	0			
Stony clay ...	2	3	10				Leafy clay ...	1	3	0			
Sand, mixed with leafy clay and water ...	3	0	0				Stony clay ...	1	2	2	7	5	2
Soft leafy clay ...	0	5	0										
Sand ...	1	0	0										
Brown sandy clay ...	0	4	0										
Soft leafy clay ...	2	3	0										
Carried forward	18	0	4				Total ...				31	5	6

* Approximate sea level $303\frac{1}{2}$ feet below this.

No. 1,120.—HEDLEY.

TOWNSHIP OF HEDLEY, DURHAM.

Sheet 6 of Ordnance Map. Lat. , Long.

Sinking Account of Pit South of the Village, Hedley Colliery.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay ...	0	0	6				Brought forward	10	0	0	12	2	10
Slaty sandstone ...	1	3	0				<i>Five-Quarter Seam—</i>						
Soft blue metal ...	0	3	0				COAL , ten-						
Soft blue plate ...	5	0	0				der, with a						
COAL , splint ...	0	1	1	7	1	7	bit of hard	Ft. In.					
Blue plate ...	5	0	0				band ...	0	4				
COAL ...	0	1	3	5	1	3	Shale ...	0	0 $\frac{1}{2}$				
Sandstone ...	9	0	0				COAL ...	2	9	0	3	1 $\frac{1}{2}$	
Plate ...	1	0	0										
Carried forward	10	0	0	12	2	10	Carried forward				22	5	11 $\frac{1}{2}$

No. 1,120.—HEDLEY.—CONTINUED.

	Ft.	Ft.	In.	Ft.	Ft.	In.		Ft.	Ft.	In.	Ft.	Ft.	In.
Brought forward				22	5	11½	Brought forward	2	4	0	22	5	11½
<i>Sunk in the summer</i>							<i>Six-Quarter Seam—</i>						
<i>of 1839:—</i>							COAL, tender	Ft.	In.				
Thill of 5¼ Seam ...	0	4	0				and scamy... 1	9					
Blue stone ...	2	0	0				Band ... 0	1					
							COAL ... 1	9					
									0	3	7		
											3	1	7
Carried forward	2	4	0	22	5	11½	Total ...				26	1	6½

No. 1,121.—HEDLEY FELL.

TOWNSHIP OF HEDLEY, DURHAM.

Sheet of Ordnance Map. Lat. , Long.

Note of the Colours of the Stones in Hedley Fell, about the middle of the Horse Race, and 100 yards South from it. May, 1685.

Approximate surface level feet above sea (Ordnance datum).

	Ft.	Ft.	In.	Ft.	Ft.	In.
Freestone post ...	14	0	0			
Black grey stone ...	3	2	0			
COAL ...	1	0	0			
				18	2	0
White thill ...				0	1	0
Total ...	18	3	0			

No. 1,122.

Second place, 100 yards South-east from No. 1 Hole.

	Ft.	Ft.	In.	Ft.	Ft.	In.
Sunk ...	1	3	0			
<i>Bored:—</i>						
Blue metal ...	2	0	0			
COAL ...	0	3	0			
				4	0	0
White thill ...				0	1	5
Total ...	4	1	5			

No. 1,123.

Hole bored in the East side of Hedley Fell, a little above Clinty Ford.

	Ft.	Ft.	In.	Ft.	Ft.	In.
Earth ...	4	3	0			
Yellow post ...	3	3	0			
White post ...	3	3	0			
Blue grey stone ...	1	3	0			
COAL ...	1	1	0			
				14	1	0
Total ...	14	1	0			

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	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100																																																																																																																																																																														
1964	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	3

	Pa.	Rt.	In.	Pa.	Rt.	In.
Receipts	4	0	0			
In arriving state part	3	0	0			
	<hr/>					
				7	0	0
Expend						
				7	0	0

	Fs.	Pt.	In.	Fs.	Pt.	In.		Fs.	Pt.	In.	Fs.	Pt.	In.
...	0	4	0				Brought forward	9	5	0			
...	0	5	0				Blue stone	...	...	0	1	0	
...	3	0	0				Post	...	...	0	3	0	
...	2	3	0				Blue stone	...	...	0	3	6	
...	0	3	0				Post	...	...	1	0	0	
...	0	1	0				Blue stone	...	...	0	3	0	
...	0	4	0				Post	...	...	0	1	0	
...	0	3	0				Blue stone	...	...	0	1	0	
...	0	2	0				COAL	...	...	0	3	0	
...	0	4	0										13 2 6
Brought forward	9	5	0				Total	...	...				13 2 6

No. 1,127.—HEDLEY HOPE.

TOWNSHIP OF HEDLEY HOPE, DURHAM.

Sheet 25 of Ordnance Map. Lat. 54° 44' 54", Long. 1° 47' 41".

An Account of Strata sunk through in Edward Pit, Hedley Hope Colliery, near Crook.

Approximate surface level 830 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	0	6				Brought forward				12	0	9
Blue clay ...	2	3	0				Seggar clay ...	1	0	4			
Grey post ...	0	2	2				Ironstone girdle ...	0	0	3			
Grey metal ...	0	2	2				Grey post ...	1	1	0			
Whin ...	0	2	2				Whin ...	0	1	2			
Blue metal ...	0	2	2				White post ...	0	1	9			
Whin ...	0	2	0				Grey metal, with gir-						
Blue metal, with post							dles ...	0	5	0			
girdles ...	1	0	0				Blue metal ...	0	2	0			
Grey post ...	0	4	0				Ironstone ...	0	0	4			
Blue metal, with iron-							Blue metal ...	0	3	7			
stone girdles ...	1	0	0				COAL — <i>Brockwell</i>						
COAL ...	0	0	11				<i>Seam</i> ...	0	4	0½			
				7	1	1					5	1	5½
Seggar clay ...	1	5	0				Seggar clay ...	0	2	0			
Post, mixed with whin	0	3	0				Grey post ...	2	0	0			
Blue metal ...	1	0	0				Blue metal ...	0	4	0			
Ironstone girdles ...	0	0	5								3	0	0
Blue metal ...	0	5	0										
Ironstone girdles ...	0	* 0	3										
Blue metal ...	0	1	6										
COAL ...	0	2	6										
				4	5	8							
Carried forward				12	0	9	Total ...				*20	2	2½

* Approximate sea level 707½ feet below this.

No. 1,128.—HEDLEY HOPE.

TOWNSHIP OF HEDLEY HOPE, DURHAM.

Sheet 25 of Ordnance Map. Lat. , Long.

Account of Boring ½ S.E. of Low Hedley Hope Farm House and in Hedley Hope Royalty. Second Hole.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	0	9				Brought forward	2	0	7			
Brown strong clay ...	0	3	6				Blue metal ...	0	0	4			
Brown ramby post,							COAL , rather tender						
with water ...	1	2	4				— <i>Main Coal Seam</i>	0	3	6			
											2	4	5
Carried forward				2	0	7	Carried forward				2	4	5

No. 1,128.—HEDLEY HOPE.—CONTINUED.

	Ft.	Ft.	In.	Ft.	Ft.	In.		Ft.	Ft.	In.	Ft.	Ft.	In.
				2	4	5					23	3	5
Brought forward							Brought forward						
Grey metal ...	2	2	7				Grey metal ...	0	2	3			
Brown and grey post, with soft parting ...	2	3	6				White post, with beds of metal stone and water ...	4	4	1			
Dark metal stone, with ironstone girdles and scars of coal near the bottom ...	2	5	0				Grey metal stone, with post and iron girdles	3	5	3			
Grey metal stone, with post girdles ...	4	0	6				White post, with water ...	1	1	0			
Grey post, with brown partings ...	1	2	0				Grey metal stone, with water ...	3	2	0			
Grey metal stone, with post girdles ...	1	0	7				White post ...	0	3	6			
Brown post ...	4	0	5				Grey metal stone, with post girdles ...	2	5	3			
White post, with metal partings and water	2	0	6				COAL ...	0	0	9			
Black metal ...	0	1	4				Grey metal stone ...	0	2	0			
COAL , foul...	0	0	7				White post, with whin girdles ...	0	4	4			
				20	5	0					18	0	5
Carried forward				23	3	5	Total ...				41	3	10

No. 1,129.—HEDLEY MOOR.

TOWNSHIP OF HEDLEY, DURHAM.

Sheet 6 of Ordnance Map. Lat. , Long.

Bored on Hedley Moor, near Beamish. 1731-2.

Approximate surface level feet above sea (Ordnance datum).

	Ft.	In.	Ft.	In.		Ft.	In.	Ft.	In.
Soil and sand ...	2	0	0		Brought forward	9	5	6	
Sand, with water ...	1	3	0		Sand, mixed with clay	2	0	0	
Soft leafy clay ...	0	3	0		Sand, with water ...	2	3	0	
Sand, mixed with coal	1	4	0		Soft clay ...	0	3	0	
Sandy channel ...	0	1	6		Sand ...	0	3	6	
Soft clay, mixed with sand ...	4	0	0		Soft clay and sand ...	2	3	0	
							18	0	0
Carried forward	9	5	6		Total ...		18	0	0

No. 1,130.—HEDLEY MOOR.

TOWNSHIP OF HEDLEY, DURHAM.

Sheet 6 of Ordnance Map. Lat. , Long.

*Bored in Hedley Moor 300 yards South from the West House, near the Well.
July 20th, 1747.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and sandy clay ...	1	3	0				Brought forward	11	4	11			
Sand, with a sipping of water ...	0	1	6				Sand, with small layers of soft clay and water ...	4	4	0			
Dry sand ...	6	0	0				Soft leafy clay ...	3	0	0			
Sand, with much water	0	5	0				In a brown stone ...	0	0	3			
Soft sandy clay ...	0	0	5								19	3	2
Sand, with water ...	3	1	0										
Carried forward	11	4	11				Total ...	...	...	...	19	3	2

No. 1,181.—HEDLEY MOOR.

TOWNSHIP OF HEDLEY, DURHAM.

Sheet of Ordnance Map. Lat. , Long.

Strata bored through at Hedley Moor, near the Wagonway.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Black soil	0	1	6				Brought forward	8	0	0			
Sand	0	3	0				Soft stony clay ..	0	3	0			
Soft leafy clay and sand	0	1	6				Sand and leafy clay,						
Sand and leafy clay,							with water ...	3	3	0			
with water and							Soft leafy clay, mixed						
<i>small coal</i>	2	0	0				with sand	1	1	0			
Gravelly sand	0	5	0				Stony clay	1	1	0			
Soft sandy clay ...	0	1	0				Open brown sandy						
Sandy gravel or chan-							post, and set away						
nel	1	0	0				the water	0	1	2			
Soft clay	0	3	0								14	3	2
Sand and leafy clay,													
with water and													
<i>small coal</i>	2	3	0										
Carried forward	8	0	0				Total				14	3	2

No. 1,132.—HEDLEY MOOR.

TOWNSHIP OF HEDLEY, DURHAM.

Sheet of Ordnance Map. Lat. , Long.

Bored at Hedley Moor, near the Open Cast, now Moor Pit. June 26th, 1747.

Approximate surface level feet above sea (Ordnance datum).

	Fa.	Ft.	In.	Fa.	Ft.	In.		Fa.	Ft.	In.	Fa.	Ft.	In.
Black soil and brown sandy clay... ..	0	3	0				Brought forward	4	5	6			
Sand, with soft clay and a small sipping of water	0	5	0				Leafy clay, mixed with sand	1	0	6			
Soft leafy clay, mixed with sand	1	0	0				Sand and water, with small scares of clay	4	1	4			
Soft slaky clay and sand, with water ...	0	2	6				Leafy clay	0	1	6			
Brown sand	0	4	6				Slaky sand and soft clay	1	0	0			
Sand and soft slaky clay, with water ...	1	0	0				Soft leafy clay, scared with sand	0	3	0			
Leafy clay	0	2	6				Leafy clay	1	0	0			
							Stony clay	0	1	8			
Carried forward	4	5	6								13	1	6
							Total				13	1	6

No. 1,133.—HELME PARK.

TOWNSHIP OF WOLSINGHAM, DURHAM.

Sheet 25 of Ordnance Map. Lat. , Long.

Strata bored through within the Boundary of Helme Park Colliery, in the Parish of Wolsingham. No. 1 Hole.

Approximate surface level feet above sea (Ordnance datum).

	Fa.	Ft.	In.	Fa.	Ft.	In.		Fa.	Ft.	In.	Fa.	Ft.	In.
Sand and clay	1	5	0				Brought forward	0	1	3	11	3	0
Broken freestone ...	3	3	0				Grey leafy post	0	3	10			
COAL	0	0	2				COAL	0	1	3			
				5	2	2					1	0	4
Blue metal	4	4	10				Thill stone	0	3	2			
COAL	0	1	2				Grey metal stone ...	0	4	1			
				5	0	0	Blue metal stone ...	2	1	1			
Thill stone	0	2	2				Post	0	2	1			
COAL	0	1	1				Blue metal stone ...	0	1	4			
				0	3	3	COAL	0	2	10			
Ironstone	0	0	3								4	2	7
Blue metal stone ...	0	0	4				Blue metal stone ...	0	1	3			
COAL	0	3	0				Thill	0	1	5			
				0	3	7	Post	0	3	8			
Thill stone	0	1	3								1	0	4
Carried forward	0	1	3	11	3	0	Total				18	0	3

No. 1,184.—HELME PARK.

TOWNSHIP OF WOLSINGHAM, DURHAM.

Sheet 25 of Ordnance Map. Lat. _____, Long. _____

*Strata bored through in No. 2 Hole, at 32 chains from Helms Park Colliery.
Ascent 74 feet.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Soil and clay...	1	5	0				Brought forward	0	2	2	13	5	4	
Black shivery stone...	0	4	0				Grey post stone ...	0	2	0				
Post girdles ...	3	3	0				Grey metal stone ...	2	3	4				
COAL ...	0	1	4											
				6	1	4	COAL ...							
Thill stone ...	0	1	8				Hand ...	0	3					
Blue metal stone ...	1	0	0				COAL ...	3	2					
COAL ...	0	3	0							0	5	3		
				1	4	8						4	0	9
Thill stone ...	2	1	8				Thill stone ...	0	1	8				
Grey metal stone ...	0	4	0				Grey post stone ...	2	5	7				
Blue metal stone ...	1	0	8				Grey metal stone ...	1	1	3				
Grey metal stone ...	1	3	4				COAL ...	0	4	3				
COAL ...	0	1	8									5	0	9
				5	5	4	Thill ...					0	3	0
Thill stone ...	0	2	2											
Carried forward	0	2	2	13	5	4	Total ...					23	3	10

No. 1,185.—HELME PARK.

TOWNSHIP OF WOLSINGHAM, DURHAM.

Sheet 25 of Ordnance Map. Lat. _____, Long. _____

Strata bored through in No. 3 Hole at Helms Park Colliery.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay...	...	0	5	0			Brought forward				2	4	4
Freestone	1	4	0			Grey metal stone ...	8	0	0			
COAL	0	1	4			COAL ...	0	3	0			
				2	4	4					8	3	0
Carried forward				2	4	4	Carried forward				11	1	4

No. 1,135.—HELME PARK.—CONTINUED.

Brought forward			Fa.	Ft.	In.	Fa.	Ft.	In.
						11	1	4
Thill stone	...	...	0	1	6			
Post stone	...	...	1	0	8			
COAL	...	...	0	1	8			
						1	3	10
Thill stone	...	...	0	1	0			
Grey metal stone	...	...	0	3	10			
Post stone	...	...	3	3	7			
COAL	...	...	0	2	0			
						4	4	5
Thill stone	...	...	0	1	9			
Grey metal stone	...	...	1	2	9			
Grey post	...	...	1	1	2			
Grey metal	...	...	0	1	9			
COAL	...	...	0	3	3			
						3	4	8
Thill	...	...	2	2	6			
Grey post	...	...	0	3	11			
Grey metal	...	...	1	3	9			
COAL	...	...	0	1	7			
						4	5	9
Carried forward						26	2	0

Brought forward			Fa.	Ft.	In.	Fa.	Ft.	In.
						26	2	0
Thill	...	...	0	0	7			
Post	...	...	0	2	7			
Grey metal	...	...	1	0	3			
Post girdles	...	...	0	5	9			
Grey metal stone	...	...	1	3	2			
COAL	...	...	0	2	8½			
						4	3	0½
Thill	...	...	0	2	6			
Grey metal	...	...	0	5	4			
Grey post girdles	...	...	1	0	2			
Grey post stone	...	...	0	2	0			
Grey metal	...	...	0	1	4			
Blue metal	...	...	0	2	8			
COAL	...	...	0	4	4			
						4	0	4
Thill	...	...				0	0	8
Total						35	0	0½

No. 1,136.—HEPSCOTT.

TOWNSHIP OF HEPSCOTT, NORTHUMBERLAND.

Sheet 72 of Ordnance Map. Lat. 55° 8' 55", Long. 1° 37' 32".

Account of a Boring from the Low Main Coal in Hepscoth Pit.

Approximate surface level 100 feet above sea (Ordnance datum).

			Fa.	Ft.	In.	Fa.	Ft.	In.
Sunk to the scaffold...						16	4	0
						8	2	0*
Pipe	...	...	7	5	3			
Grey metal stone	...	...	4	4	9			
COAL	...	...	0	0	6			
						12	4	6
Grey metal stone, with girdles	...	...	6	0	10			
White post	...	...	1	1	2			
Whin	...	...	0	0	10			
Grey metal stone, with girdles	...	...	2	1	6			
Strong white post	...	...	8	1	0			
Carried forward			17	5	4	37	4	6

Brought forward			Fa.	Ft.	In.	Fa.	Ft.	In.
			17	5	4	37	4	6
Grey metal	...	...	0	2	8			
COAL, foul...	...	...	0	0	6			
						18	2	6
Grey metal stone	...	...	1	3	4			
Beaumont Seam—								
COAL, slaty	...	...	1	4				
COAL, rather foul	...	...	1	5				
						0	2	9
						2	0	1
Brown metal...	...	...	1	5	0			
COAL	...	...	0	1	5			
						2	0	5
Carried forward						60	1	6

* Approximate sea level (Ordnance datum):

No. 1,136.—HEPSCOTT.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				60	1	6	Brought forward	3	2	4	61	3	6
Grey metal stone ...	1	1	0										
Black metal ...	0	0	6				COAL ...	Ft. In.	0	6			
COAL ...	0	0	6				Dark metal ...	0	10				
				1	2	0	COAL ...	1	4				
Grey metal ...	2	2	0						0	2	8		
White post ...	0	5	6								3	5	0
Dark metal ...	0	0	10				Into grey metal ...				0	0	8
Carried forward	3	2	4	61	3	6	Total ...				65	3	2

SECTION OF ABOVE PIT FROM GEOLOGICAL MAP.

	Fs.	Ft.	In.		Fs.	Ft.	In.
Clay ...					11	0	0
To <i>Five-Quarter Seam</i> , COAL ...	0	4	9		18	0	0
" <i>Low Main</i> " ...	1	1	2		27	0	0
" <i>Plessy</i> " ...	0	2	4		34	0	0
" <i>Beaumont</i> " ...	0	2	9		60	0	0
" COAL " ...	0	2	6		67	0	0

No. 1,137.—HEPSCOTT.

TOWNSHIP OF HEPSCOTT, NORTHUMBERLAND.

Sheet 72 of Ordnance Map. Lat. , Long.

Bored in Hepscott Pit, by George Stott, from the Bottom of the Low Main Coal. 1858.

Approximate surface level feet above sea (Ordnance datum).

To Low Main Coal...	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Grey metal ...	4	2	9	25	0	0		Brought forward	9	1	4	40	0	6
White post ...	0	5	0					White post ...	0	5	0			
Grey metal ...	2	3	6					Grey metal ...	1	4	10			
Grey post ...	0	3	6					White post ...	4	3	2			
Grey metal ...	0	3	1					Grey metal ...	1	0	0			
								COAL ...	0	0	10			
COAL ...	Ft.	In.										17	3	2
COAL , slaty	0	1						Grey metal girdles ...	1	3	0			
				0	2	7		White post ...	0	3	0			
							9 2 5	Grey metal girdles ...	1	1	0			
Grey metal ...	0	4	6					<i>Harvey or Beaumont</i>						
White post ...	2	4	3					<i>Seam—</i>						
Grey metal ...	1	5	6					COAL , will	Ft.	In.				
COAL ...	0	1	10					not cinder..	1	3				
							5 4 1	COAL , rather						
Grey metal ...	2	2	3					tender, cin-						
White post ...	3	3	9					ders well ...	2	10				
Grey metal ...	1	0	0					COAL , foul	0	3				
White post ...	1	1	4					COAL ...	1	1				
Grey metal ...	1	0	0									0	5	5
Carried forward	9	1	4	40	0	6								
								Total ...				61	4	1

AA

No. 1,138.—HEPSCOTT.

TOWNSHIP OF HEPSCOTT, NORTHUMBERLAND.

Sheet 72 of Ordnance Map. Lat. 55° 9' 19", Long. 1° 38' 25".

Account of Boring in No. 1 Hole, in Hepscott Royalty.

Approximate surface level 130 feet above sea (Ordnance datum).

	Ft.	Ft.	In.	Ft.	Ft.	In.		Ft.	Ft.	In.	Ft.	Ft.	In.
Black post ...	1	0	0				Brought forward				49	1	9
Sand ...	2	0	0				Metal stone ...	0	5	3			
Sand, with beds of clay	3	0	0				Yellow post ...	1	0	0			
Clay, with beds of sand	2	0	0				Strong post ...	1	2	0			
Sand, with water	1	4	0				Brown post ...	1	2	0			
Blue limy clay	1	0	0				COAL						
Brown strong clay	1	2	0				Ft. In.						
Sand and gravel	1	3	0				0 11						
Blue clay	5	5	0				Metal band ...	0	3				
Sand	0	4	0				COAL	0	10				
Post	1	4	0								0	2	0
	0	2	0				Grey metal ...	0	2	0			
Dark metal ...	1	4	0				Dark metal ...	0	0	6			
Black metal ...	1	0	6				Metal scared with coal	0	0	8			
Metal stone ...	3	0	0				COAL	0	2	9			
Post	1	2	0								0	5	11
Black metal ...	0	3	0				Metal	0	3	0			
Grey metal ...	0	2	6				White post	1	0	0			
COAL	0	0	6				COAL	0	1	3			
				30	0	6					1	4	3
Metal stone ...	3	0	0				Metal stone ...	1	2	8			
White post ...	1	5	0				COAL	0	0	3			
Dark metal ...	0	0	6								1	2	11
COAL, soft...	0	3	3				Metal stone ...	0	4	0			
				5	2	9	Post	2	3	0			
Metal	1	3	0				Metal stone ...	1	0	0			
Metal stone	1	0	6				Post	0	3	0			
COAL	0	0	9				White post	1	2	6			
				2	4	3	Metal stone	0	3	0			
Brown post ...	1	0	0				Grey metal, scared						
Grey metal ...	1	0	6				with coal	0	0	6			
COAL	0	0	6				COAL	0	0	3			
				2	1	0					6	4	3
Grey metal ...	0	1	0				Grey metal, scared						
Post metal partings...	1	2	0				with coal	0	2	0			
Dark metal ...	0	1	6				White post	0	5	0			
Girdle	0	1	0				Grey metal	0	3	0			
Metal stone	0	4	6				White post	3	5	6			
White post	1	4	0				Grey metal, scared						
Metal stone	0	5	0				with coal	0	2	0			
Dark stone girdles	1	1	6				Metal stone	0	3	0			
COAL	0	1	0				Dark metal	0	3	0			
				6	3	6	COAL	0	1	6			
Grey metal ...	0	1	0								7	1	0
Post	0	3	0				Dark metal	0	4	0			
Metal stone	1	3	6				Post girdles	0	1	6			
COAL	0	0	3				Dark metal	0	3	0			
				2	1	9					1	2	6
Carried forward				49	1	9	Carried forward				73	1	4

* Approximate sea level (Ordnance datum).

No. 1,138.—HEPSCOTT.—CONTINUED.

Brought forward			Ft.	Ft.	In.	Ft.	Ft.	In.
Grey post	...	...	0	3	0	72	1	4
COAL	...	...	0	3	0			
						2	2	6
Grey metal	...	...	0	4	0			
Metal stone	...	...	1	0	0			
COAL	...	...	0	0	6			
						1	4	6
Grey metal stone	...	...	2	5	3			
Black metal	...	...	0	0	9			
Grey metal	...	...	0	0	3			
COAL	...	...	0	0	6			
						3	0	9
Grey metal	...	...	0	3	2			
COAL	...	...	0	2	5			
						0	5	7
Grey metal	...	...	0	3	0			
Grey and white post	...	...	3	4	0			
Hard white post	...	...	0	5	0			
White post	...	...	1	5	6			
COAL	...	Ft. In.	1	8				
Band	...	...	0	0	4			
COAL	...	...	0	2	3			
						0	1	11
						7	1	5
Carried forward						87	4	1

Brought forward			Ft.	Ft.	In.	Ft.	Ft.	In.
Grey metal	...	...	2	5	6	87	4	1
COAL	...	...	0	0	3			
						2	5	9
Grey metal and coal	...	...	0	1	0			
COAL	...	...	0	1	3			
						0	2	3
Grey metal	...	...	0	3	0			
Metal stone	...	...	1	0	0			
Black metal	...	...	0	1	0			
Grey metal	...	...	0	3	0			
Metal	...	...	1	1	6			
Metal	...	...	0	1	6			
COAL	...	Ft. In.	2	8				
COAL, foul	...	...	0	3				
						0	2	11
								4 0 11
Total	...	...				95	1	0

No. 1,139.—HEPSCOTT.

TOWNSHIP OF HEPSCOTT, NORTHUMBERLAND.

Sheet 72 of Ordnance Map. Lat. 55° 9' 37", Long. 1° 38' 40".

Account of Boring in No. 2 Hole, in Hepscott Royalty. 1868.

Approximate surface level 167 feet above sea (Ordnance datum).

			Ft.	Ft.	In.	Ft.	Ft.	In.
Dry sand	...	...	2	3	0			
Wet sand	...	...	5	3	0			
Loamy clay	...	...	2	0	0			
Brown stony clay	...	...	4	2	0			
Leafy clay	...	...	1	3	0			
Freestone tumbler	...	...	0	1	0			
Brown stony clay	...	...	1	2	0			
White post	...	...	1	3	6			
Grey metal	...	...	0	3	6			
Carried forward			19	3	0			

Brought forward			Ft.	Ft.	In.	Ft.	Ft.	In.
COAL	...	Ft. In.	1	10				
COAL, soft	...	...	1	3				
						0	3	1
						20	0	1
Grey metal	...	...	0	3	0			
Metal stone	...	...	0	3	0			
Soft yellow post	...	...	3	0	0			
Metal stone	...	...	2	3	6			
Carried forward			6	3	6	20	0	1

No. 1,139.—HEPSCOTT.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	6	3	6	20	0	1
Black stone ...	0	0	6			
COAL ...	0	1	0			
				6	5	0
Metal and metal stone	0	5	11			
	2	0	7			
Grey post ...	0	3	0			
Carried forward	3	3	6	26	5	1

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	3	3	6	26	5	1
Metal stone ...	1	4	6			
Dark metal ...	0	3	0			
COAL ...	0	0	6			

* Approximate sea level (Ordnance datum).

No. 1,140.—HEPSCOTT.

TOWNSHIP OF HEPSCOTT, NORTHUMBERLAND.

Sheet 72 of Ordnance Map. Lat. 55° 8' 49½", Long. 1° 39' 4".

Sunk and bored in the Hepscott Royalty, near to the Tyle Sheds.

Approximate surface level 145 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Yellow and blue clay	18	3	0				Brought forward	1	5	1	36	0	1
Yellow freestone ...	5	4	0				White post ...	0	0	8			
	0	2	0				Blue metal ...	0	5	0			
Blue metal ...	3	3	0				COAL ...	0	0	9			
COAL ...	0	1	6								2	5	6
				28	1	6	Thill stone ...	0	5	9			
Dark metal ...	1	0	0				Blue metal ...	1	1	7			
White post ...	0	0	8				Grey post ...	1	0	0			
Blue metal ...	0	2	3				Grey metal ...	1	5	0			
Strong white post	0	3	10				White post ...	0	0	5			
Grey post ...	0	3	8				Grey metal ...	1	1	0			
White post ...	0	1	0				White post ...	7	0	0			
Blue metal ...	2	3	7				Grey metal ...	0	2	0			
COAL ...	0	1	10										
				5	4	10	COAL ...	0	10				
Thill stone ...	0	1	6				Soft black stone	0	8				
Blue metal ...	0	0	10				COAL ...	1	7				
Grey post ...	0	3	4							0	3	1	
Dark metal ...	0	2	6										14 0 10
White post ...	0	2	5				Strong grey post	0	2	9			
Blue metal ...	0	1	0				Blue metal ...	0	1	10			
COAL ...	0	0	2				White post ...	0	1	0			
				1	5	9	Blue metal ...	0	4	11			
Thill stone ...	0	0	4				Black stone ...	0	1	6			
Black stone ...	0	2	7				Splint ...	0	0	6			
Grey post ...	0	1	10				Blue metal ...	0	2	6			
Blue metal ...	1	0	4				COAL, with water...	0	0	6			
											2	3	6
Carried forward	1	5	1	36	0	1	Carried forward				55	3	11

* Approximate sea level (Ordnance datum).

No. 1,140.—HEPSCOTT.—CONTINUED.

Brought forward				Fs.	Ft.	In.	Fs.	Ft.	In.
							55	3	11
Blue metal	...	...	...	0	2	6			
Grey post	...	...	...	2	0	0			
Blue metal	...	...	...	0	2	6			
COAL	...	...	...	0	1	0			
							3	0	0
Thill stone	...	...	...	0	1	0			
Grey post	...	...	...	0	4	6			
Blue metal	...	...	...	0	3	11			
Thill stone	...	...	...	1	0	0			
Carried forward				2	3	5	58	3	11

Brought forward				Fs.	Ft.	In.	Fs.	Ft.	In.
							2	3	5
White post	...	...	...	0	1	4			
Brown post	...	...	...	0	4	6			
Blue metal	...	...	...	0	2	0			
Whin	...	...	...	0	1	7			
White post	...	...	...	0	1	1			
Blue metal	...	...	...	2	4	0			
							6	5	11
Total				...	...	...	65	3	10

No. 1,141.—HEPSCOTT.

TOWNSHIP OF HEPSCOTT, NORTHUMBERLAND.

Sheet 72 of Ordnance Map. Lat. , Long.

Bored in Hepscoth Royalty, near the Field House Farm.

Approximate surface level feet above sea (Ordnance datum).

				Fs.	Ft.	In.	Fs.	Ft.	In.
Strong blue clay				...	...	...	18	0	0
Grey metal, with post				...	...	...
girdles				...	...	...	3	4	6
Blue metal				...	...	...	0	3	0
COAL				...	...	...	0	0	10
							22	2	4
Blue metal				...	...	...	0	1	6
Black stone				...	...	...	0	2	2
Dark metal				...	...	...	0	0	11
Splint, with spar				...	...	...	0	1	8
Grey metal				...	...	...	0	4	10
Grey post				...	...	...	0	4	7
Blue metal				...	...	...	0	0	6
Grey post				...	...	...	2	1	10
COAL				...	...	...	0	0	5
							5	0	5
Thill stone				...	...	...	0	5	11
Strong white post				...	...	...	0	0	8
COAL				...	...	...	0	0	9
							1	1	4
Blue metal				...	...	...	1	1	7
White post				...	...	...	0	1	10
Whin				...	...	...	0	0	6
Dark post				...	...	...	2	4	8
Carried forward				4	2	7	28	4	1

Brought forward				Fs.	Ft.	In.	Fs.	Ft.	In.
							4	2	7
White post				0	1	0
Grey metal				0	3	9
White post				0	4	9
COAL				0	0	7
							6	0	8
Thill stone				0	1	8
White post				0	2	8
Thill stone				0	2	7
White post				2	3	0
Dark post				0	3	6
Blue metal				0	2	8
White post				3	2	6
Blue metal				0	0	8
COAL				2	4	
Soft white band				0	6	
COAL				0	6	
							0	3	4
							8	4	7
Thill stone				0	0	5
Blue metal				0	1	2
Into white post				0	1	6
							0	3	1
Total				44	0	5

No. 1,142.—HEPSCOTT.

TOWNSHIP OF HEPSCOTT, NORTHUMBRIA.

Sheet 64 of Ordnance Map. Lat. 55° 9' 58", Long. 1° 38' 22".

Account of Strata bored through at Shadfen, in Hepscott Royalty.

Approximate surface level 130 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.
Sand ...	4	1	6				Brought forward	15	2	3
Stony clay ...	2	5	0				Hard girdle ...	0	0	3
Ramble ...	1	4	6				Light blue metal ...	0	3	8
Brown post ...	2	0	7				Black metal ...	0	0	8
Blue metal ...	0	5	11				COAL ...	0	1	8
COAL ...	0	0	4							
Metal stone ...	0	5	0				Grey metal stone, with			
Post girdle ...	0	0	6				post ...	1	1	11
Blue metal ...	1	0	5				Blue metal and metal			
Post girdle ...	0	0	10				stone ...	0	5	2
Metal stone ...	0	2	9				Grey post ...	0	2	10
Grey post ...	0	1	0				COAL ...	0	0	8
Blue metal ...	1	2	0				Grey metal stone ...	0	1	8
A fall of ...	0	2	0				Grey post ...	1	5	8
Grey metal ...	0	1	6				COAL ...	0	1	8
Light blue metal ...	2	2	6							
Grey post, with metal							Grey metal ...	0	3	8
partings ...	0	5	4				Grey metal stone ...	0	3	8
COAL ...	0	0	5				Blue metal and metal			
Grey metal ...	0	1	4				stone, with post			
Dark grey post and	1	2	7				girdles ...	4	0	8
metal stone ...	1	0	10			*	COAL ...	0	0	11
COAL ...	0	1	1							
				22	5	11	Grey metal ...	0	3	8
Blue and grey metal							Grey post ...	2	0	8
stone, with post ...	1	3	6				Iron girdle ...	0	1	8
Blue metal ...	0	3	1				Grey post ...	1	5	8
Grey post, with metal							COAL ...	0	0	8
partings ...	1	2	4				Blue metal ...	0	4	8
Blue metal ...	1	2	5				Metal, scared with coal	0	0	8
Dark metal ...	0	2	0				Blue metal ...	1	1	8
Grey metal stone ...	0	5	5				COAL ...	0	1	11
Grey post ...	0	5	6							
Light metal ...	0	2	9				Grey metal and metal			
Grey post ...	6	2	0				stone ...	0	4	8
Blue metal ...	0	1	11				Into grey post ...	0	3	8
COAL ...	0	0	4							
Blue metal and metal										
stone ...	1	1	0							
Carried forward	15	2	3	22	5	11	Total ...			

* Approximate sea level (Ordnance datum).

No. 1,143.—HERDLEY.

TOWNSHIP OF

Sheet of Ordnance Map. Lat. , Long.

Boring at Herdley Bank, by the Burnside, near the Railway Culvert. October 16th, 1849.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	0	6				Brought forward	3	0	8	18	2	1
Brown stony clay ...	10	1	0				Grey post ...	1	4	0			
Brown and grey post	6	1	0				Grey metal ...	0	2	0			
COAL ...	0	0	6				Grey post ...	1	0	0			
				16	3	0	Strong white post ...	0	5	6			
Grey metal stone, with							Grey post ...	3	3	10			
post girdles ...	1	2	11				Black metal, scared						
Black stone ...	0	0	10				with coal ...	0	0	7			
Hard girdle ...	0	0	3				COAL ...	0	0	4			
COAL , with a hard											10	4	11
band an inch thick							Grey metal ...	0	0	4			
at 5 inches from the							White post, mixed with						
top ...	0	1	1				whin in places ...	6	2	3			
				1	5	1	Soft parting ...	0	0	2			
Grey metal, with gir-							Strong grey stone ...	0	3	0			
dles ...	1	1	8				In strong post, mixed						
Grey post ...	0	5	0				with whin ...	1	4	0			
Grey metal stone, with										8	3	9	
post girdles ...	1	0	0										
Carried forward	3	0	8	18	2	1	Total ...			37	4	9	

N.B.—This hole was lost with a broken wimble, which is fast with sand at the bottom.

No. 1,144.—HETT.

TOWNSHIP OF HETT, DURHAM.

Sheet 35 of Ordnance Map. Lat. , Long.

Account of Boring No. 1 Hole, in Hett Royalty. February 5th, 1857.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Strong clay ...	9	4	0				Brought forward				10	2	3
Soft brown post ...	0	2	0				Strong clay ...	1	4	3			
COAL , mixed with							Shivery post ...	0	4	0			
metal and clay ...	0	2	3				Grey metal ...	2	5	6			
				10	2	3							
Carried forward				10	2	3	Carried forward	5	1	9	10	2	3

No. 1,344.—HEFF.—CONTINUED.

Brought forward	Pt.	Pt.	In.	Pt.	Pt.	In.	Brought forward	Pt.	Pt.	In.	Pt.	Pt.	In.
Grey post	5	1	3	10	2	3	Brown metal	0	1	0	67	5	
COAL—Low Main	0	1	10				Grey metal, with iron-stone girdles	3	0	0			
				6	1	1	Grey and white post	0	1	4			
Grey metal	0	0	5				Whin	0	0	7			
Grey and white post, set away the water	4	1	0				Strong white post, with whin girdles	0	2	8			
Grey metal, with girdles	2	2	0				COAL, foul	0	0	5			
COAL—Hettus (upper portion)	0	0	4								4	0	
Grey post	2	2	0				Grey metal stone, with post girdles	1	0	4			
White post	2	2	0				COAL	0	0	9			
Dark metal, mixed with coal	0	2	6								1	1	
Grey metal, with iron-stone girdles	3	2	8				Grey metal stone	5	0	0			
COAL—Hettus (lower portion)	0	1	11				Dark metal	0	1	10			
				16	5	10							
Grey metal	0	4	0				COAL	1	11				
White post	2	1	0				Brown metal, mixed with coal	0	3				
Dark metal	0	3	0				COAL	0	9				
Grey metal	1	2	0				White metal	0	2				
Strong white post, with whin girdles	2	1	3				White post	1	4				
Grey metal stone	1	5	6				COAL	1	8				
White post, mixed with whin and water	4	0	0							1	0	1	
Grey metal, with girdles	3	0	6										6
Grey post	1	2	0				Brown metal	0	0	5			
Grey metal	4	0	6				Grey post	0	0	8			
Dun whin	0	1	0				Grey metal	0	4	0			
Strong metal stone, inclining to post	3	5	6				White post	2	1	0			
White post, mixed with whin	0	2	6				Whin	0	0	10			
Grey metal	1	0	0				White post	0	5	0			
Post, mixed with whin	0	2	3				White post, mixed with whin	4	5	0			
Grey metal	0	4	0				Grey metal	0	2	0			
Dark metal	0	0	5				Dark metal	0	0	5			
Hard girdle	0	0	7				COAL	0	1	10			
COAL—Harvey Seas	0	1	8								9		
				28	1	8	Grey metal	0	1	0			
Grey metal	0	1	0				Grey metal stone girdles	3	3	6			
Grey metal stone	1	2	3				White post	0	4	8			
Strong white post	0	0	9				Grey metal	0	1	2			
Grey metal	0	1	6				COAL, foul	0	0	4			
COAL	0	0	4								4		
				1	5	10	Grey metal	0	0	8			
Brown metal	0	1	0				White post, mixed with whin	5	4	3			
Grey metal stone	1	1	0										
Whin	0	3	6				COAL	0	3				
Post, mixed with whin	0	1	0				Grey metal	1	1				
Grey metal stone	0	4	9				COAL, inferior	0	4				
Dark metal, scared with coal	0	5	9				COAL, good	1	10				
COAL, foul—Busty	0	1	6				Brown metal	0	0				
				4	0	6	COAL, good	1	10				
										0	5	5	
Carried forward	67	5	2				Into strong post						0
							Total				100		

No. 1,145.—HETT.

TOWNSHIP OF HETT, DURHAM.

Sheet 27 of Ordnance Map. Lat. 54° 43' 29", Long. 1° 32' 50".

Strata bored through 200 yards due South of Hett Old Paper Mill. Commenced July 25th, 1865, and finished November 10th, 1865.

Approximate surface level 278 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	0	8				Brought forward	8	2	0	34	3	11½
Yellow clay ...	0	2	4				<i>Hutton Seam</i> (lower						
Soily clay ...	0	4	6				portion)—	Ft.	In.				
Loamy clay ...	1	1	3				COAL , good..	1	0				
Sandy clay ...	0	0	5				COAL , brassy	0	2				
COAL , danty	0	0	3				COAL , splinty,						
				2	3	5	full of brass	0	9				
										0	1	11	
Stony clay ...	1	4	10								8	3	11
Grey post, with metal							Strong black stone,						
partings ...	6	4	1				mixed with <i>coal</i> ...	0	0	10			
Very soft grey metal	0	0	8				Soft black metal ...	0	0	3			
COAL , soft danty							Dark grey metal ...	0	0	4			
(water went away)	0	0	8				Light grey metal, with						
				8	4	3	post girdles ...	1	3	6			
Grey post ...	1	0	10				Soft dark blue metal	0	3	0			
Soft dark metal ...	0	2	4				Soft grey metal, {	0	4	2½			
Grey post ...	1	0	6				with scares of post {	1	5	1½			
Soft grey metal ...	0	1	7				Strong white post,						
Hard white post, with							with much water ...	4	5	3			
water ...	0	4	6				Grey post ...	0	2	0			
Soft grey metal ...	0	1	7				Soft dark grey metal	0	1	4			
Hard white post, with							Dark grey metal, with						
metal partings and							<i>coal</i> ...	0	0	5			
water ...	11	2	0				Soft grey metal thill	0	3	9			
COAL — <i>Low Main</i>							Hard white post, with						
<i>Seam</i> ...	0	2	2				metal partings ...	2	5	9			
				15	3	6	Dark blue metal, with						
Black slaty metal,							ironstone girdles and						
with scares of <i>coal</i>	0	0	3½				water ...	4	0	2			
Soft dark grey thill...	0	1	2				Hard white post, with						
Soft grey metal, with							whin girdles and						
ironstone balls ...	6	5	6				water ...	2	4	8			
Strong grey post ...	0	2	10				White and grey post						
Dark grey metal ...	0	0	10				with water ...	4	1	11			
COAL ...	0	0	2				Dark metal ...	0	0	9			
				7	4	9½	COAL , hard at top						
Strong grey metal,							and coarse— <i>Harvey</i>						
with ironstone gir-							<i>Seam</i> ...	0	2	0			
dles ...	3	1	2							25	3	3	
Black metal, with							Grey metal thill ...	1	3	1			
scares of <i>coal</i> ...	0	4	3				Blue metal and iron-						
Strong grey metal,							stone girdles ...	2	2	10			
with threads of post	4	2	7				COAL ...	0	0	3			
										4	0	2	
Carried forward	8	2	0	34	3	11½	Carried forward	72	5	3½			

* Approximate sea level (Ordnance datum).

B B

No. 1,145.—HETT.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	
Brought forward				72	5	3½	Brought forward	16	1	11½	
Dark metal ...	0	1	0				<i>Basty Seam</i> —	Fs.	Ft.	In.	
Strong grey metal,							COAL, good...	0	5½		
with threads of post							Black shale,				
and water ...	9	3	7				with seams				
White post, with water	1	2	6				of coal ...	0	1½		
Strong grey post, with							COAL, good...	0	3½		
water ...	3	2	9				Grey metal shale	0	2½		
Grey metal, with thin							COAL, with				
ironstone girdles ...	1	4	1½				danty part-				
							ings ...	0	4		
							COAL, good...	0	6		
							Brown band ...	0	0½		
							COAL, good...	0	2½		
							COAL, rather				
							danty ...	0	2		
							COAL, good...	1	10½		
									0	4	2½
Carried forward	16	1	11½	72	5	3½	Total ...				

No. 1,146.—HETTON-LE-HOLE.

TOWNSHIP OF HETTON-LE-HOLE, DURHAM.

Sheet 21 of Ordnance Map. Lat. , Long.

Boring Account at Hetton-le-Hole, in the Second Field East from the T
Commenced September 1st, 1772; finished July 7th, 1773.

Approximate surface level feet above sea (Ordnance datum).

	Ft.	Ft.	In.	Ft.	Ft.	In.		Ft.	Ft.	In.
From the soil to the							Brought forward	24	0	6
top of the sand sunk							Grey and brown scamy			
formerly ...	3	3	6				post ...	0	3	0
Sand, with water ...	7	0	0				Grey and blue metal,			
Gravel, with large							with post girdles ...	3	1	6
whin tumblers ...	1	0	0				Blue metal ...	1	1	0
Brown leafy clay,							Black metal, mixed			
mixed with sand ...	3	3	0				with coal ...	0	1	0
Blue scamy clay ...	3	1	0							
Strong stony clay ...	1	4	6				Grey metal ...	0	1	6
Brown and grey post	0	2	4				Grey post, with metal			
Clay, mixed with marl	0	1	0				partings and water	1	1	6
Brown, grey, and blue							Whin ...	0	2	0
marl ...	1	2	8				Grey metal, with			
Brown and grey post	0	1	0				strong post girdles	1	3	0
Grey, brown, and red							Blue metal ...	0	4	6
scamy stone, with							COAL ...	0	1	2
soft partings and										
whin girdles with										
water ...	1	5	6							
Carried forward	24	0	6				Carried forward			

No. 1,146.—HETTON-LE-HOLE.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				33	2	8		Brought forward			46	1	4
Grey metal, mixed								Grey thill ...	0	2	3		
with <i>coal pipes</i> ...	0	3	2					Grey metal ...	0	4	5		
Black metal ...	0	0	6					Black metal ...	0	1	8		
COAL ...	0	1	6					Grey and black metal	0	1	4		
				0	5	2		Grey metal stone ...	0	2	0		
Grey thill ...	0	0	9					Grey and white post	2	1	0		
Grey post, with metal								Strong white post ...	1	0	0		
partings and water	2	0	5					Whin ...	0	1	6		
White and grey post	0	3	0					Strong white post,					
Black stone ...	0	0	4					mixed with whin					
COAL , foul... ..	0	0	8					lumps and water ...	3	0	6		
				2	5	2		COAL ...	0	0	9		
Grey metal, with a											8	3	5
mixture of black								Grey thill ...	0	1	3		
stone ...	0	1	0					Grey metal stone ...	0	5	6		
Grey metal stone ...	0	4	0					Strong white post,					
Grey and white post,								mixed with whin ...	0	3	6		
with metal partings	4	0	0					Grey post, with metal					
Strong white post,								partings ...	0	4	6		
mixed with whin ...	0	2	0					Black stone, mixed					
Open gulleys, with								with <i>coal</i> ...	0	0	7		
water ...	0	0	3					Grey and white post,					
White thready post ...	0	3	9					with metal partings					
White and grey metal,								and water ...	2	2	0		
with water ...	2	4	0								4	5	4
COAL ...								Grey and blue metal,					
... <i>Ft. In.</i>								with whin girdles...	2	1	0		
Grey and black								Grey post ...	1	1	0		
stone ...	0	9						Whin ...	0	1	10		
COAL , foul... ..	0	9						White post ...	2	4	2		
COAL ...	1	6						In whin ...	0	0	4		
				0	3	4					6	2	4
				9	0	4							
Carried forward				46	1	4		Total ...			66	0	5

No. 1,147.—HETTON.

TOWNSHIP OF HETTON-LE-HOLE, DURHAM.

Sheet 20 of Ordnance Map. Lat. , Long.

Bored in Hetton Estate. No. 1 Hole, South-east of the Village. April 22nd, 1793.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
<i>Sunk :—</i>								Brought forward	1	0	8		
Soil ...	0	2	0					Blue clay ...	0	1	0		
Dry gravel ...	0	4	8					Limestone ...	11	3	6		
											12	5	2
Carried forward	1	0	8					Carried forward	12	5	2		

No. 1,147.—HETTON.—CONTINUED.

	Ft.	Ft.	In.	Ft.	Ft.	In.		Ft.	Ft.	In.
	12	5	2					0	3	11½
Brought forward							Brought forward			
<i>Bored:—</i>							Dark grey metal, with			
Limestone, with open							water	0	1	3
partings and water	2	1	6				Dark grey metal, with			
Limestone, with part-							coal pipes	0	0	10
ings and open gul-							Strong grey metal,			
lets	5	1	5				with girdles	0	5	1
Strong limestone, with							Strong grey metal and			
girdles	3	0	10				girdles	0	1	3
Blue metal, with part-							Strong white post and			
ings and much							whin	0	2	3½
water	0	4	6				Whin	0	0	11½
Marl, with sand in							Strong white post,			
open gullets	0	2	4				with whin...	0	2	0½
Limestone	0	1	8							
Grey metal	0	4	9							
Red sandstone	0	2	1							
Red sandstone, mixed										
with grey scares	1	2	10							
Grey metal, with hard										
lumps	2	0	9							
Black metal	0	1	9							
Blue metal	1	3	6							
Whin	0	1	0							
Blue metal	0	2	1							
Grey metal, with hard										
girdles or lumps	0	1	6							
Grey metal	1	3	1							
Black metal	0	0	4							
COAL, coarse	0	1	3							
				21	1	2				
Grey metal, with hard										
girdles and water	2	5	5							
COAL										
Grey metal	0	4½								
COAL, with										
scares	0	6								
COAL	1	10½								
				0	4	0				
				3	3	5				
Grey metal, with hard										
lumps	3	3	0							
Grey and white post,										
with whin and me-										
tal partings	0	4	8							
Strong white post and										
whin	2	0	10							
Whin	0	1	2							
White post	1	3	4							
Whin	0	0	4							
Dark grey metal and										
much water	0	0	2							
COAL	0	2	9							
				8	4	3				
Grey metal	0	0	10							
White post	0	0	6							
Grey metal	0	1	4½							
Grey metal, with hard										
lumps	0	1	3							
Carried forward	0	3	11½	46	2	0	Carried forward			

TOWNSHIP OF HETTON-LE-HOLE, DURHAM.

Approximate surface level feet above sea (Ordinance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	1	6				Brought forward	10	0	6			
Brown clay	0	5	0				Sandy gravel	0	3	0			
Blue stony clay	2	1	0				Sand	1	1	6			
Blue swelling clay, mixed with sand	1	0	0				Blue sandy clay and sand, with a small mixture of clay	4	1	0			
Sandy clay	1	5	0				Stony clay	1	3	0			
Sand, with water	3	0	0								17	3	0
Blue stony clay	1	0	0										
Carried forward	10	0	6				Total				17	3	0

TOWNSHIP OF HETTON-LE-HOLE, DURHAM.

Approximate surface level feet above sea (Ordnance datum).

							Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	...	...	...	...	...	...	0	1	6			
Brown clay	...	...	...	...	...	...	0	5	0			
Blue stony clay	...	...	...	...	...	...	2	1	0			
Blue swelling clay, mixed with sand	...	...	...	...	...	...	1	0	0			
Sandy clay	...	...	...	...	...	...	1	5	0			
In sand, with water	...	...	...	...	...	...	2	5	6			
										9	0	0
Total	...	...	...	...	...	...				9	0	0

No. 1,151.—HETTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Brought forward				24	2	7		Brought forward	3	4	1	28	4	11
Grey metal and metal stone, with girdles	4	0	5					COAL ...	0	0	8			
COAL ...	0	1	4					Dark grey metal, mixed with coal ...	0	0	4			
Grey metal, scared with coal ...	0	0	7					White post and set away the water at 33 fathoms 1 yard at a gullet...	1	2	0			
				4	2	4						5	1	1
Grey scared post ...	1	2	9											
Stony white post ...	2	1	4											
Carried forward	3	4	1	28	4	11		Total ...				34	0	0

No. 1,152.—HETTON.

TOWNSHIP OF HETTON-LE-HOLE, DURHAM.

Sheet 20 of Ordnance Map. Lat. , Long.

*No. 6 Hole bored in the Hetton Estate, about 44 yards South of No. 5 Hole.
April 15th, 1811.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0			
Stony clay ...	2	2	0			
Sand and water ...	6	5	0			
Gravel ...	0	3	6			
				9	5	6
Total ...				9	5	6

No. 1,153.—HETTON.

TOWNSHIP OF HETTON-LE-HOLE, DURHAM.

Sheet 20 of Ordnance Map. Lat. , Long.

*No. 7 Hole bored in the Hetton Estate, about 5 yards South from No. 3 Hole.
April 19th, 1811.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	6				Brought forward	4	0	6			
Brown stony clay ...	0	3	0				Sand, with water ...	5	1	0			
Blue stony clay ...	2	2	0				Stony clay ...	0	1	6			
Blue leafy clay, mixed							Gravel, with water ...	1	0	0			
with sand ...	1	0	0										
Carried forward	4	0	6				Carried forward	10	3	0			

No. 1,153.—HETTON.—CONTINUED.

	Fa.	Ft.	In.	Fa.	Ft.	In.		Fa.	Ft.	In.	Fa.	Ft.	In.
Brought forward	10	3	0				Brought forward				31	4	8
Sandy clay, with small stones ...	2	3	0				Grey scamy post ...	0	3	0			
Sand and gravel ...	0	0	9				Strong white post, with water ...	0	4	7			
Stony clay ...	0	3	6				Dark grey and grey metal stone, with water in two places	7	0	0			
Sand and gravel ...	0	0	9				Strong white post ...	0	4	0			
Leafy clay, with scars of sand ...	0	3	0				Grey metal stone ...	1	1	3			
Leafy clay ...	1	0	0				White post ...	1	3	0			
Stony clay ...	3	3	0				Black metal ...	0	2	0			
				18	5	0	Blue, grey, and white post, with beds of metal stone and water	4	1	9			
Rambly metal ...	0	4	0				Grey metal ...	3	5	2			
Black metal ...	0	0	3								20	0	9
COAL ...	0	2	5				COAL ...	0	0	6			
				1	0	8	Grey metal ...	0	0	4			
Grey metal ...	0	4	0				COAL ...	0	1	3			
Grey, dark grey, and blue metal, with girdles ...	5	5	7				Grey metal ...	0	0	3			
Grey metal stone ...	1	4	0				COAL ...	0	1	3			
							Dark grey metal, mixed with coal ...	0	0	3			
COAL ...	1	3					COAL ...	0	0	3			
COAL, foul... 0 8							Grey metal ...	0	0	1			
				0	1	11	COAL ...	0	0	2			
				8	3	6	Dark grey metal ...	0	0	3			
Grey scared post ...	1	3	0				COAL, rather foul— Three-Quarter Seam	0	3	0			
Thready white post, with a soft earthy parting, and set away the water at a yard from the top...	1	3	10								1	1	7
COAL ...	0	0	8				In black metal, with a mixture of coal ...				0	0	10
				3	1	6							
Carried forward				31	4	8	Total ...				53	1	10

No. 1,154.—HETTON.

TOWNSHIP OF HETTON-LE-HOLE, DURHAM.

Sheet 21 of Ordnance Map. Lat. 54° 49' 0", Long. 1° 26' 25".

Strata sunk through at Hetton Colliery, in the Engine or Blossom Pit. Begun December 6th, 1820.

Approximate surface level 330 feet above sea (Ordnance datum).

	Fa.	Ft.	In.	Fa.	Ft.	In.		Fa.	Ft.	In.	Fa.	Ft.	In.
Outset ...	1	0	0				Brought forward	3	3	0			
Soil ...	0	2	0				Limestone marl and soft limestone to where the pit is walled ...	3	0	0			
Sand ...	1	3	0										
Gravel ...	0	4	0				Carried forward	6	3	0			
Carried forward	3	3	0										

CC

No. 1,154.—HETTON.—CONTINUED.

	Fa.	Ft.	In.	Fa.	Ft.	In.		Fa.	Ft.	In.	Fa.	Ft.	In.
Brought forward	6	3	0				Brought forward	7	3	10	44	5	
Yellow limestone of various descriptions	15	5	6				<i>Three-Quarter Seam—</i>						
Limestone of a blue grey colour, called the "blue rag" in these flags near the bottom	7	2	2				COAL, wet	0	2	4			
(N.B.—The water increased regular from the depth of about 16 fathoms to the bottom of the limestone to about 2,000 gallons per minute.)							<i>Drift to Minor Pit.</i>				8	0	
Blue metal	0	5	2				Sill stone	0	1	6			
Very soft sandstone (stratified) and was drawn by the pumps	0	4	4				White post	0	2	3			
Very soft white post	0	1	2				Grey metal	1	2	5			
Grey scamy metal stone, and where the first three wedging cribs were laid	0	0	9				Strong white post, and water in several places, which is wedged off and piped into the 3,4 Coal Seam	0	0	4			
Strong brown limestone, like whin	1	2	8					6	2	11			
Blue grey metal, very soft, with a little water	5	2	3				Grey metal stone	0	2	8			
COAL, mixed with black metal, and the last wedging crib laid on the grey metal below it	0	1	4				COAL, mixed with black metal	0	1	6			
				38	4	4					9	1	
Grey metal stone	0	4	8				Sill stone	0	0	8			
Blue metal	1	3	0				White post	0	2	5			
COAL, mixed with black metal	0	1	9				Grey metal	0	2	2			
				2	3	5	Post girdles	0	1	4			
Grey metal stone, with partings and water	2	5	10				Grey metal	0	0	6			
COAL							COAL	0	0	10			
Grey metal	0	4									1	1	
COAL, mixed with black metal	0	7					Sill stone	0	0	3			
COAL	1	10					Grey metal stone	0	0	10			
				0	3	9	White post, with partings at 8 feet down, and wedged	1	4	2			
<i>Drift through to the Minor Pit.</i>				3	3	7	Grey metal stone, inclining to post	0	2	9			
Grey metal stone or sill	0	1	4				Soft black and blue metal	1	5	10			
Grey metal stone, with partings	4	0	10				COAL and a drift through to Minor Pit	0	0	3			
Strong white post, with water near bottom and spongy	3	1	8								4	2	
Carried forward	7	3	10	44	5	4	Sill stone	0	1	3			
							White post	1	1	9			
							Grey and white post, mixed with grey metal	1	5	2			
							Whin	0	3	7			
							White post and partings of blue metal, and water wedged off	0	2	10			
							Strong white post, with a parting at bottom and water	1	4	6			
							Strong white post, spongy, and partings with water	4	5	11			
							Grey and white post and water, wedged off and piped up to the third standing sett cistern	3	1	3			
							Carried forward						

No. 1,154.—HETTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	14	2	3	67	5	1	Brought forward	0	2	6	90	1	7
Grey metal stone ...	0	4	6				Strong grey metal stone, with strong dunnish post girdles	3	1	10			
COAL ...	0	4					Grey metal ...	1	0	8			
Grey metal ...	1	0					<i>Five-Quarter Seam—</i>						
COAL ...	1	3					COAL ...	1	7				
Band ...	0	5					Black metal, with scares of coal	0	6				
COAL ...	3	2					Dark grey metal	4	4				
Band ...	0	4					COAL ...	0	5				
COAL , mixed with black metal	0	11						1	0	10			
			1	1	5					5	5	10	
				16	2	2	Grey metal stone, with post girdles	5	4	6			
Thill ...	0	1	8				Grey post ...	0	4	10			
Grey metal stone, with large balls of iron-stone	1	2	4				Blue and grey metal stone	3	5	9			
Strong grey metal stone, with girdles	3	3	9				Blue and grey metal stone, with strong girdles	1	5	3			
Black metal, with scares of coal	0	0	9				<i>Main Coal Seam—</i>						
COAL ...	1	2					COAL , top..	1	8				
Black grey metal, with scares of coal	2	8					Band ...	0	1				
			0	3	10		COAL ...	4	9				
				6	0	4		1	0	6			
Grey metal stone, with balls of ironstone	0	2	6							13	2	10	
Carried forward	0	2	6	90	1	7	Depth of the sump			4	3	0	
							Total			114	1	3	

No. 1,155.—HETTON.

TOWNSHIP OF HETTON-LE-HOLE, DURHAM.

Sheet 21 of Ordnance Map. About Lat. 54° 49' 1", Long. 1° 26' 27".

An Admeasurement of the Minor Pit to the Main Coal Seam, and Strata sunk through from there to the Hutton Seam. Begun December 23rd, 1820; finished January 6th, 1823.

Approximate surface level 330 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Total depth of the Minor Pit to the thill of the <i>Main Coal Seam</i> , sunk through various strata similar to those specified in the Blossom Pit sinking account				108	4	1	Brought forward				108	4	1
Carried forward				108	4	1	White post	0	0	8			
							Grey and white post	1	5	0			
							Black metal stone	0	1	4			
							Blue metal, with iron-stone girdles	1	2	4			
							Black metal	0	1	4			
							Carried forward	3	4	8	108	4	1

No. 1,155.—HETTON.—CONTINUED.

	Ft.	Ft.	In.	Ft.	Ft.	In.		Ft.	Ft.	In.
Brought forward	3	4	8	108	4	1	Brought forward	2	2	8
Grey metal stone ...	0	2	10				Grey metal, with post			
COAL ...	0	0	5				girdles ...	2	0	10
				4	1	11	Black and blue metal			
Strong grey metal							stone ...	1	0	0
stone ...	0	2	0				COAL (commonly			
Grey and white post...	4	3	9				called splint coal)...	0	1	0
Grey metal ...	1	3	2				Grey metal, with post			
<i>Maudlin Seam—</i>							girdles ...	0	5	11
							COAL ...	0	4	
COAL ...	1	2					Band ...	0	1½	
Grey metal ...	3	9					COAL ...	0	7	
COAL ...	0	4								0 1 0½
				0	5	3				
				7	2	2	Thill ...	0	4	0
Grey metal ...	0	4	2				Strong grey metal ...	1	2	0
Blue metal ...	0	4	0				Grey post ...	1	2	4
Grey metal ...	1	5	6				Black metal ...	0	3	0
Blue metal, with coal							Blue metal, with post			
pipes ...	0	3	8				girdles ...	0	1	4
Strong grey post ...	0	5	8				Strong white post ...	4	0	0
Strong grey post, with							Grey metal and post			
strong girdles ...	0	5	2				girdles ...	1	1	0
Whin ...	0	3	0				<i>Hutton Seam—</i>			
Soft grey metal ...	2	5	8				COAL ...	4	7½	
COAL—Low Main							Band ...	0	3½	
<i>Seam</i> ...	0	4	1				COAL , bot-			
				9	4	11	tom (coarse)	1	3	
White post ...	2	0	6							1 0 2
Whin ...	0	2	2				Depth of sump ...			
Carried forward	2	2	8	130	1	1	Total ...			11

REMARKS.

	Ft.	Ft.	In.	Ft.	Ft.	In.
From the settle boards to the bottom of the walling in the						
Blossom Pit ...	6	3	0			
From thence to the top of the cast iron tubbing ...	4	5	6			
				11		2
From the top of the tubbing to the first wedging crib ...	20	1	7			
From the first to the second wedging crib ...	1	5	9			
From the second to the third wedging crib ...	5	0	6			
				27		1
Total ...				38		4
Length of the high set of pumps which deliver the water						
into a delivery drift about 1 fathom from the surface						
with a 22-inch working barrel ...	40	0	0			
Length of the second set, 12-inch working barrel ...	36	0	0			
Do. third set, 11-inch ...	3	0	0			
Do. fourth set, 8-inch ...	0	0	0			
				144		3
Total ...				144		3

No. 1,158.—HETTON.

TOWNSHIP OF HETTON-LE-HOLE, DURHAM.

Sheet 20 of Ordnance Map. Lat. , Long.

Third Hole, about 13 yards West from the second. August 24th, 1824.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.
Soil	0	4	9				Brought forward	36	5	6	
Yellow stony clay, with tumblers and water	0	4	6				Dark grey metal, scared with coal ...	0	2	9	
Brown stony clay, with scares of sand ...	3	2	9				Red metal	0	2	6	
Sand, with water ...	0	0	6				Yellowish brown sandy limestone	0	4	0	
Stony clay, with tum- blers	7	0	3				Red metal stone ...	1	4	0	
Soft sandy post, mixed with gravelly limestone	1	3	0				Whitish brown post...	0	2	0	
Soft sandy brown post	7	5	0				Red and white scared post, with partings of brown and yellow	5	1	0	
Soft grey, brown, yel- low and blue con- fused metal	1	2	0				Brown post	1	3	3	
Red metal, scared with brown and soft part- ings	4	2	0				Black metal, with a scare of coal at top	0	0	8	
Reddish brown metal	0	5	0				Grey metal	0	0	8	
Blue metal, with thin girdles near the bottom	7	5	0				Black metal, with bands of coal	0	4	6	
Black metal stone, mixed with coal ...	0	3	9								48
Grey metal	0	3	0				Grey metal and metal stone, with girdles	3	3	9	
Carried forward	36	5	6				COAL	0	2	4	
											4
							Grey metal	0	1	0	
							Grey metal stone ...	0	1	7	
											0
							Total				52

No. 1,159.—HEWORTH.

TOWNSHIP OF HEWORTH, DURHAM.

Sheet 3 of Ordnance Map. Lat. , Long.

*Account of a Boring at Heworth Shore, about 150 yards from the Staith on the
side of the Wagonway. December 26th, 1763.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.
Sunk to the scaffold, about	8	5	6				Brought forward	17	1	6	
Box	1	1	0				Grey and brown metal	4	0		
Brown post	7	0	6				Brown post		2		
A soft yellow parting	0	0	6				Soft brown rammed		0		
							Grey metal		6		
Carried forward	17	1	6								

No. 1,155.—HETTON.—CONTINUED.

	Ft.	Ft.	In.	Ft.	Ft.	In.		Ft.	Ft.	In.	Ft.
Brought forward	3	4	8	108	4	1		Brought forward	2	2	8
Grey metal stone ...	0	2	10					Grey metal, with post			
COAL ...	0	0	5					girdles ...	2	0	10
				4	1	11		Black and blue metal			
Strong grey metal								stone ...	1	0	0
stone ...	0	2	0					COAL (commonly			
Grey and white post ...	4	3	9					called splint coal) ...	0	1	0
Grey metal ...	1	3	2					Grey metal, with post			
<i>Maudlin Seam—</i>								girdles ...	0	5	11
								COAL ...	0	4	
COAL ...	1	2						Band ...	0	1½	
Grey metal ...	3	9						COAL ...	0	7	
COAL ...	0	4							0	1	0½
				0	5	3					
					7	2	2	Thill ...	0	4	0
Grey metal ...	0	4	2					Strong grey metal ...	1	2	0
Blue metal ...	0	4	0					Grey post ...	1	2	4
Grey metal ...	1	5	6					Black metal ...	0	3	0
Blue metal, with coal								Blue metal, with post			
pipes ...	0	3	8					girdles ...	0	1	4
Strong grey post ...	0	5	8					Strong white post ...	4	0	0
Strong grey post, with								Grey metal and post			
strong girdles ...	0	5	2					girdles ...	1	1	0
Whin ...	0	3	0					<i>Hutton Seam—</i>			
Soft grey metal ...	2	5	8					COAL ...	4	7½	
COAL— <i>Low Main</i>								Band ...	0	3½	
Seam ...	0	4	1					COAL, bot-			
								tom (roarse)	1	3	
					9	4	11			1	0
White post ...	2	0	6							2	
Whin ...	0	2	2					Depth of sump ...			
Carried forward	2	2	8	130	1	1		Total ...			150

REMARKS.

	Ft.	Ft.	In.	Ft.	Ft.
From the settle boards to the bottom of the walling in the					
Blossom Pit ...	6	3	0		
From thence to the top of the cast iron tubbing ...	4	5	6		
				11	2
From the top of the tubbing to the first wedging crib ...	20	1	7		
From the first to the second wedging crib ...	1	5	9		
From the second to the third wedging crib ...	5	0	6		
				27	1
Total ...				38	4
Length of the high set of pumps which deliver the water					
into a delivery drift about 1 fathom from the surface					
with a 22-inch working barrel ...	40	0	0		
Length of the second set, 12-inch working barrel ...	36	0	0		
Do. third set, 11 inch do. ...	32	3	0		
Do. fourth set, 8-inch do. ...	36	0	0		
				144	3
Total ...				144	3

No. 1,155.—HETTON.—CONTINUED.

	Fa.	Ft.	In.	Fa.	Ft.	In.
Length of the iron tubing in the Minor Pit to stop the limestone feeders of water	25	3	9			
Length of the iron tubing at the depth of near 80 fathoms, to stop the feeders of water at the different partings in the grey and white post	5	4	0			
				31	1	9
Total				31	1	9

No. 1,156.—HETTON.

TOWNSHIP OF HETTON-LE-HOLE, DURHAM.

Sheet 20 of Ordnance Map. Lat. , Long.

First Hole bored at Hetton, in the High Downs Estate. July 13th, 1824.

Approximate surface level feet above sea (Ordnance datum).

	Fa.	Ft.	In.	Fa.	Ft.	In.
Soil	0	1	0			
Gravel and sand	1	5	6			
Sand, with water	0	1	6			
Sand and gravel, with tumblers and mixed coal ...	0	3	9			
Stony clay	0	2	3			
				3	2	0
Total				3	2	0

No. 1,157.—HETTON.

TOWNSHIP OF HETTON-LE-HOLE, DURHAM.

Sheet 20 of Ordnance Map. Lat. , Long.

Second Hole, about 80 yards West from the first. July 22nd, 1824.

Approximate surface level feet above sea (Ordnance datum).

	Fa.	Ft.	In.	Fa.	Ft.	In.		Fa.	Ft.	In.	Fa.	Ft.	In.
Soil	0	4	0				Brought forward	4	2	6			
Yellow stony clay ...	0	3	6				Sandy clay, gravelly near the bottom ...	0	3	6			
Brown stony clay, mixed with soil and sand, and a spring of water near the bottom	1	1	6				Strong clay, with scares of sand in some places ...	4	4	6			
Blue sandy clay, with water	0	1	6				Gravel	0	0	6			
Blue sandy clay ...	0	5	6				Soft sandy brown post	6	2	6	16	1	6
Sand and gravel, with water	0	4	6										
Carried forward	4	2	6				Total				16	1	6

No. 1,158.—HETTON.

TOWNSHIP OF HETTON-LE-HOLE, DURHAM.

Sheet 20 of Ordnance Map. Lat. , Long.

Third Hole, about 13 yards West from the second. August 24th, 1824.

Approximate surface level feet above sea (Ordnance datum).

	Fa.	Ft.	In.	Fa.	Ft.	In.		Fa.	Ft.	In.	Fa.
Soil	0	4	9					Brought forward	36	5	6
Yellow stony clay, with tumblers and water	0	4	6					Dark grey metal, scared with coal ...	0	2	9
Brown stony clay, with scares of sand ...	3	2	9					Red metal	0	2	6
Sand, with water ...	0	0	6					Yellowish brown sandy limestone	0	4	0
Stony clay, with tum- blers	7	0	3					Red metal stone ...	1	4	0
Soft sandy post, mixed with gravelly limestone	1	3	0					Whitish brown post...	0	2	0
Soft sandy brown post	7	5	0					Red and white scared post, with partings of brown and yellow	5	1	0
Soft grey, brown, yel- low and blue con- fused metal	1	2	0					Brown post	1	3	3
Red metal, scared with brown and soft part- ings	4	2	0					Black metal, with a scare of coal at top	0	0	8
Reddish brown metal	0	5	0					Grey metal	0	0	8
Blue metal, with thin girdles near the bottom	7	5	0					Black metal, with bands of coal	0	4	6
Black metal stone, mixed with coal ...	0	3	9								48
Grey metal	0	3	0					Grey metal and metal stone, with girdles	3	3	9
Carried forward	36	5	6					COAL	0	2	4
											4
								Grey metal	0	1	0
								Grey metal stone ...	0	1	7
											0
								Total			52

No. 1,159.—HEWORTH.

TOWNSHIP OF HEWORTH, DURHAM.

Sheet 3 of Ordnance Map. Lat. , Long.

Account of a Boring at Heworth Shore, about 150 yards from the Staith on the side of the Wagonway. December 26th, 1763.

Approximate surface level feet above sea (Ordnance datum).

	Fa.	Ft.	In.	Fa.	Ft.	In.		Fa.	Ft.	In.	Fa.
Sunk to the scaffold, about	8	5	6					Brought forward	17	1	6
Box	1	1	0					Grey and brown metal	0	4	0
Brown post	7	0	6					Brown post	0	1	2
A soft yellow parting	0	0	6					Soft brown ramble ...	0	1	0
Carried forward	17	1	6					Blue metal	0	1	6
								Carried forward	18	3	2

No. 1,159.—HEWORTH.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	18	3	2				Brought forward	8	4	0	40	3	0
etal stone, with							Soft black metal	...	0	0	4		
girdles	2	4	0				COAL	...	0	1	6		
and grey post,											8	5	10
set away the							Grey metal stone	...	0	5	9		
...	0	1	6										
etal stone	0	0	9				COAL	...	0	7			
and grey post	0	4	0				Black grey metal	0	10				
etal stone	0	3	7				COAL	...	0	4			
etal	0	0	6								0	1	9
metal, scared											1	1	6
coal	0	0	9				Grey metal stone	...	0	3	0		
							Whin	...	0	0	6		
							Grey metal stone with						
							girdles	...	1	3	0		
							Strong white post, with						
							a mixture of whin						
							girdles and water	...	3	4	0		
							Blue grey metal stone						
							with post girdles	...	2	4	6		
							Grey scamy post	...	0	4	0		
							Whin mixture, with						
							water	...	0	1	6		
							Grey girdly stone	...	4	2	0		
							Black metal, with						
							scars of coal at						
							bottom	...	2	4	0		
							Strong white post	...	4	3	0		
							Whin, mixed with						
							strong white post	...	6	3	0		
							COAL pipe	...	0	0	3		
							Strong white post,						
							mixed with whin	...	0	5	0		
							COAL	...	0	0	7		
							Strong white post	...	0	2	6		
							Grey metal stone	...	0	1	0		
							Blue grey metal	...	0	0	4		
											29	0	2
							COAL	...	0	1	8		
							Soft black danty me-						
							tal, mixed with coal	...	0	0	2		
							Blue grey metal	...	0	0	11		
							COAL	...	0	3	9		
							Grey metal	...	0	0	7		
							COAL , but rather						
							coarse	...	0	1	0		
							Blue metal, mixed with						
							coal	...	0	0	1		
							COAL , hard slaty	...	0	1	4		
							COAL , foul slaty,						
							with hard girdle or						
							brass lump in middle	...	0	0	6		
											1	4	0
							In grey metal	...			0	1	3
							Total	...			81	3	9
							Mar. 1st, 1766.—Rods						
							measured	...			71	5	6
							Sunk	...			8	5	6
							Total	...			80	5	0
Brought forward	8	4	0	40	3	0							

No. 1,162.—HEWORTH.

TOWNSHIP OF HEWORTH, DURHAM.

Sheet 3 of Ordnance Map. Lat. , Long.

Account of the Boring near Bill Quay, in a field called Cockshotts. July 17th, 1

Approximate surface level feet above sea (Ordnance datum).

	Ft.	Ft.	In.	Ft.	Ft.	In.		Ft.	Ft.	In.	Ft.
Sunk to the scaffold...				15	0	6					
Box ...	1	4	6								
Blue metal stone, with post girdles ...	4	4	0								
Brown post, with water ...	2	1	6								
COAL, soft ...	0	0	5	8	4	5					
Soft blue metal ...	0	3	0								
Soft grey metal ...	0	5	0								
Brown threadly post, with partings and water ...	9	2	8								
White post ...	0	4	0								
Blue metal stone, with post girdles ...	1	2	0								
Strong white post, with water ...	2	3	9								
COAL ...	0	0	9	15	3	2					
Grey post, with water ...	2	3	0								
Blue and black slaty metal ...	0	0	9								
Grey and blue metal stone and metal stone with hard lumps and water near the bottom ...	2	4	9								
Black metal, Ft. In. mixed with coal ...	0	10									
COAL ...	0	6									
Grey metal ...	0	1									
COAL ...	0	3		0	1	8	5	4	2		
Grey scamy stone, with hard girdles and water ...	6	3	2								
Strong white post, with scamy partings and water ...	1	0	6								
Blue stone, with post girdles and water...	1	2	8								
White post, with partings and water ...	1	0	0								
Blue metal stone, with girdles and water...	1	0	0								
Strong white post, with water ...	0	4	0								
Carried forward	11	4	45	0	3						
Brought forward	11	4	45								
Blue metal stone, with hard lumps ...	3	4	0								
COAL ...	0	6									
Blue metal ...	0	2									
COAL, foul...	0	4		0	1	0	15				
Grey metal ...	0	1	0								
Grey metal stone, with hard lumps ...	2	0	0								
White post, with water ...	1	2	0								
Strong white post, mixed with whin in several places ...	2	3	0								
Blue metal ...	0	0	4								
COAL, foul ...	0	0	2	6							
Grey metal, with post girdles ...	1	2	6								
Blue metal stone ...	0	5	0								
Grey metal stone ...	0	5	2								
Strong white post, mixed with whin ...	0	5	4								
Blue metal stone, with hard lumps ...	1	0	3								
Black metal ...	0	0	4								
COAL, with water ..	0	0	8	5							
Grey metal ...	0	4	6								
Strong white post, mixed with whin ...	0	2	0								
Grey scamy stone ...	0	5	6								
Black metal ...	0	0	4								
COAL ...	0	0	8	2							
Blue grey metal ...	0	1	0								
Grey metal ...	0	3	2								
White post ...	0	3	0								
Strong white post, mixed with whin and whin girdles ...	10	2	6								
Grey metal stone ...	1	0	0								
Post girdles and metal partings ...	1	2	6								
Blue grey metal ...	0	3	0								
Blue and black metal ...	2	4	0								
COAL ...	0	0	6	17							
Carried forward				91							

No. 1,162.—HEWORTH.

TOWNSHIP OF HEWORTH, DURHAM.

Sheet 3 of Ordnance Map. Lat. , Long.

Account of the Boring near Bill Quay, in a field called Cockshotts. July 17th, 1780.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Sunk to the scaffold...				15	0	6							
Box ...	1	4	6				Brought forward	11	4	4	45	0	3
Blue metal stone, with							Blue metal stone, with						
post girdles ...	4	4	0				hard lumps ...	3	4	0			
Brown post, with							COAL ...	0	6				
water ...	2	1	6				Blue metal ...	0	2				
COAL, soft ...	0	0	5				COAL, foul ...	0	4				
				8	4	5					0	1	0
Soft blue metal ...	0	3	0								15	3	4
Soft grey metal ...	0	5	0				Grey metal ...	0	1	0			
Brown thready post,							Grey metal stone, with						
with partings and							hard lumps ...	2	0	0			
water ...	9	2	8				White post, with water	1	2	0			
White post ...	0	4	0				Strong white post,						
Blue metal stone, with							mixed with whin in						
post girdles ...	1	2	0				several places ...	2	3	0			
Strong white post,							Blue metal ...	0	0	4			
with water ...	2	3	9				COAL, foul ...	0	0	2			
COAL ...	0	0	9								6	0	6
				15	3	2	Grey metal, with post						
Grey post, with water	2	3	0				girdles ...	1	2	6			
Blue and black slaty							Blue metal stone ...	0	5	0			
metal ...	0	0	9				Grey metal stone ...	0	5	2			
Grey and blue metal							Strong white post,						
stone and metal							mixed with whin ...	0	5	4			
stone with hard							Blue metal stone, with						
lumps and water							hard lumps ...	1	0	3			
near the bottom ...	2	4	9				Black metal ...	0	0	4			
Black metal, Ft. In.							COAL, with water ..	0	0	8			
mixed with											5	1	3
coal ...	0	10					Grey metal ...	0	4	6			
COAL ...	0	6					Strong white post,						
Grey metal ...	0	1					mixed with whin ...	0	2	0			
COAL ...	0	3					Grey scamy stone ...	0	5	6			
				0	1	8	Black metal ...	0	0	4			
				5	4	2	COAL ...	0	0	8			
Grey scamy stone, with											2	1	0
hard girdles and							Blue grey metal ...	0	1	0			
water ...	6	3	2				Grey metal ...	0	3	2			
Strong white post,							White post ...	0	3	0			
with scamy partings							Strong white post,						
and water ...	1	0	6				mixed with whin						
Blue stone, with post							and whin girdles ...	10	2	6			
girdles and water...	1	2	8				Grey metal stone ...	1	0	0			
White post, with part-							Post girdles and metal						
ings and water ...	1	0	0				partings ...	1	2	6			
Blue metal stone, with							Blue grey metal ...	0	3	0			
girdles and water ...	1	0	0				Blue and black metal	2	4	0			
Strong white post,							COAL ...	0	0	6			
with water ...	0	4	0								17	1	8
Carried forward	11	4	4	45	0	3	Carried forward	91	2	0			

No. 1,162.—HEWORTH.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				91	2	0	Brought forward				106	0	0
Grey metal and metal stone, with post girdles ...	1	3	0				Black metal ...	0	0	4			
Strong white post, with a mixture of whin in some places	9	3	0				Grey metal ...	0	1	2			
Black and grey scamy stone ...	0	2	0				Ground Coal—	Ft.	In.				
Strong grey metal stone, with girdles..	1	0	0				COAL, brassy	0	3				
Strong girdly post, with partings ...	1	4	6				COAL, slaty	0	1				
Upper Main Seam—							COAL	2	7				
COAL ...	0	3							0	2	11		
Black metal ...	0	4					Grey metal ...	0	0	6	0	4	5
COAL, with sulphur and a small brass lump at the bottom ...	2	11					Grey metal stone ...	0	3	9			
				0	3	6	In white post ...	0	0	2			
				14	4	0				0	4	5	
Carried forward				106	0	0	Total ...				107	2	10

No. 1,163.—HEWORTH.

TOWNSHIP OF HEWORTH, DURHAM.

Sheet 7 of Ordnance Map. Lat. 54° 56' 19", Long. 1° 33' 28".

Account of Strata sunk through at the John Pit, Heworth Colliery, near Gateshead.

Approximate surface level 383 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Outset ...	2	0	0				Brought forward				10	1	6
Soil ...	0	1	0				Thill ...	0	2	0			
Strong brown clay ...	1	5	0				Blue metal, mixed with post girdles ...	1	3	0			
Brown post ...	1	2	8				COAL ...	0	0	4	1	5	4
Strong white flag post	0	5	4										
Light brown freestone	3	1	0				Thill ...	0	4	0			
White flag post ...	0	1	10				Grey metal and post girdles ...	5	3	0			
Brown post ...	0	1	10				White post, with metal partings ...	4	2	0			
Blue metal ...	0	0	4										
COAL ...	0	0	6				Carried forward	10	3	0	12	0	10
				10	1	6							
Carried forward				10	1	6							

No. 1,163.—HEWORTH.—CONTINUED.

	Ft.	Ft.	In.	Ft.	Ft.	In.		Ft.	Ft.	In.	Ft.	Ft.	In.	
Brought forward	10	3	0	12	0	10		Brought forward	0	4	5	50	1	2
White post, with whin balls	...	0	2	0				Scamy post	...	0	2	0		
White post, with partings	...	0	5	0				Blue stone	...	0	0	9		
Blue metal	...	2	1	4				COAL	...	0	0	8		
COAL	...	0	0	2								1	1	10
				13	5	6		Black stone	...	0	2	2		
Thill	...	0	3	6				COAL	...	0	0	3		
Blue metal	...	5	0	9				Thill	...	0	2	3		
COAL	...	0	0	4				Blue stone	...	2	5	4		
								COAL	...	0	0	3		
Thill	...	0	2	2								3	4	3
Scamy post and post girdles	...	1	3	0				Thill	...	0	1	0		
Whin	...	0	2	3				Grey metal	...	0	4	0		
Post, with thin partings	...	0	3	4				Grey metal and post	...	3	1	0		
Blue metal	...	0	5	8				Blue stone	...	0	3	8		
COAL	...	0	0	4				Scamy post	...	1	4	4		
								Blue stone	...	2	1	9		
Thill	...	0	2	0						0	0	9		
Black slate	...	0	1	10				Grey metal and post girdles	...	3	5	10		
Thill	...	0	4	0				Post—Main Post	...	7	0	6		
Grey metal and post girdles	...	1	4	0				Soft grey metal and girdles	...	0	5	6		
Grey post	...	0	1	6				Grey post	...	1	5	8		
Blue metal stone	...	2	3	0				White post, mixed with metal	...	1	4	0		
Black stone	...	0	4	10				Grey metal	...	0	3	2		
COAL	...	0	1	6				Black stone	...	0	0	2		
								High Main Seam—						
Thill	...	0	2	0										
Black stone	...	0	3	0				COAL	...	0	4			
COAL	...	0	0	1				Brown metal	...	0	2			
								COAL	...	2	10			
Thill	...	0	2	10				COAL, coarse	...	0	4			
Grey metal	...	1	0	6				Grey metal band	...	1	3			
Post girdles	...	0	2	0				COAL	...	2	2			
Grey metal	...	0	3	6				COAL, coarse, and slaty..	...	0	11			
Whin	...	0	1	4								1	2	0
Blue metal	...	1	1	9										
COAL	...	0	0	5								26	1	4
								Thill	...	0	1	10		
Thill	...	0	1	6				Black stone	...	0	4	11		
Blue stone	...	0	1	3				Blue stone	...	0	4	6		
Post girdles	...	0	1	4				Black stone	...	0	4	0		
Whin	...	0	0	9				Blue stone	...	1	2	4		
Grey metal	...	0	2	0				Grey metal stone	...	0	5	9		
Scamy post	...	0	1	3				Blue stone	...	1	0	0		
Whin	...	0	1	0										
Post	...	0	2	0				Metal Coal Seam—						
Blue metal	...	0	5	0				COAL	...	0	6			
Ridding stone	...	0	0	7				Brown band	...	0	11			
COAL	...	0	0	9				COAL	...	2	6			
												0	3	11
Black metal	...	0	2	9										
Thill	...	0	1	8										
												6	3	3
Carried forward	0	4	5	50	1	2		Thill	...	0	1	4		
								Grey metal stone	...	2	1	0		
								Black stone	...	0	1	4		
								Carried forward	2	3	8	87	5	10

* Approximate sea level (Ordnance datum).

No. 1,163.—HEWORTH.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	2	3	8	87	5	10
stone and post						
les ...	0	5	2			
stone ...	0	1	6			
L—Stone Coal						
m ...	0	1	1			
				3	5	5
metal and post	0	2	11			
les ...	0	2	9			
metal ...	1	1	2			
L ...	0	1	0			
				2	1	10
stone ...	0	1	4			
stone ...	3	1	10			
stone ...	0	1	0			
stone ...	0	0	8			
L ...	0	0	8			
				3	5	6
metal, with balls						
whin ...	2	4	0			
metal, rather						
d ...	0	2	11			
y post, with	2	0	2			
ers of metal ...	0	0	10			
y post ...	1	0	8			
y post ...	0	1	1			
scamy post, with						
layers of metal	1	1	3			
... ..	0	1	0			
<i>Seam—</i> Ft. In.						
AL , bright,						
tender ...	0	10	$\frac{1}{2}$			
metal band	0	1	$\frac{1}{2}$			
AL , coarse						
d scamy ...	2	4	$\frac{1}{4}$			
				0	3	4 $\frac{1}{4}$
				8	3	3 $\frac{1}{4}$
post ...	0	2	9			
stone ...	0	2	8			
stone ...	2	1	4			
stone ...	0	4	9			
metal, with iron-						
balls ...	2	1	2			
metal, with post						
les ...	1	0	8			
les ...	0	1	4			
metal, with post						
les ...	0	4	1			
les ...	0	0	8			
metal, with post						
les ...	0	5	4			
e post ...	0	1	8			
metal, with whin						
les ...	0	2	4			
stone ...	0	3	0			
Carried forward	10	1	9	106	3	10 $\frac{1}{4}$

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	10	1	9	106	3	10 $\frac{1}{4}$
<i>Bensham Seam—</i>						
COAL ...	1	6	$\frac{1}{2}$			
Band ...	0	1				
COAL ...	1	11	$\frac{1}{2}$			
Band ...	1	10	$\frac{1}{2}$			
COAL ...	1	5				
Band ...	0	0	$\frac{3}{4}$			
COAL ...	0	6	$\frac{1}{4}$			
				1	0	7 $\frac{1}{2}$
				11	2	4 $\frac{1}{4}$
Thill ...	0	2	5			
Blue metal ...	2	0	0			
COAL ...	0	2				
Band ...	0	3				
COAL ...	0	11				
Thill ...	1	0				
				0	2	4
				2	3	9
Grey metal stone ...	1	2	9			
Post, mixed with whin	0	1	7			
Grey metal, with thin						
post girdles ...	0	4	7			
White post ...	0	5	6			
Black stone ...	0	0	2			
<i>Six-Quarter Seam—</i>						
COAL ...	0	9				
Brown slaty						
band ...	0	10				
COAL ...	1	3	$\frac{1}{2}$			
Splint ...	0	5				
Thill ...	0	6				
				0	3	9 $\frac{1}{2}$
				4	1	4 $\frac{1}{4}$
Post ...	0	1	6			
Blue stone ...	2	4	5			
<i>Five-Quarter Seam—</i>						
COAL ...	1	10	$\frac{1}{2}$			
Splint ...	0	3				
COAL ...	0	11				
				0	3	0 $\frac{1}{2}$
				3	2	11 $\frac{1}{2}$
Thill ...	0	1	2			
Strong grey metal stone	0	4	2			
Strong grey post,						
mixed with whin ...	0	3	7			
Blue stone ...	1	2	2			
COAL ...	0	0	2			
				2	5	3
Thill ...	0	0	10			
Blue stone ...	0	2	0			
Post girdles, mixed						
with water ...	0	2	0			
Black stone ...	0	0	7			
Thin post girdles,						
mixed with metal ...	0	3	6			
Blue stone ...	0	3	0			
Carried forward	1	5	11	131	1	6 $\frac{1}{4}$

No. 1,163.—HEWORTH.—CONTINUED.

	Ft.	Ft.	In.	Ft.	Ft.	In.
Brought forward	1	5	11	131	1	6½
Post girdles	0	0	9			
Blue stone	0	3	2			
Post girdles	0	0	10			
Blue stone	0	3	4			
Post girdles and metal partings	0	3	2			
Grey post, mixed with whin	0	5	0			
Blue stone	0	0	5			
Strong white post	0	4	0			
Blue metal stone	0	4	5			
<i>Low Main on Tyne, Hutton Seam on Wear (now working 1843)—</i>						
COAL, coarse and splint	0	3½				
COAL, fine.	4	1½				
COAL, bottom	0	9				
		0	5	2		
				7	0	2
Thill stone	0	0	10			
Strong grey post	1	1	5			
Grey metal, with thin girdles	0	1	3			
Strong grey post	0	5	10			
Black stone	0	0	5			
Thill	0	1	9			
Blue stone	0	3	0			
				3	2	6
<i>Strata sunk through in deepening shaft to Beaumont Seam, 1875-76:—</i>						
Blue metal	1	2	0			
Grey shale post	0	4	0			
Carried forward	2	0	0	141	4	2½

	Ft.	Ft.	In.	Ft.	Ft.	In.	
Brought forward	2	0	0	141	4	2½	
Whin girdles	0	1	9				
Strong white post	1	2	9				
Blue metal	0	1	3				
COAL	0	1	3				
				4	1	0	
Dark grey post	3	0	9				
White post, inclined to whin	1	3	6				
Strong grey post	0	4	3				
White post	1	0	4				
Fire clay	0	5	6				
Blue metal, with iron girdles	1	2	0				
Strong fire clay	0	3	0				
COAL	0	0	3				
				9	1	7	
Blue metal, with coal pipes							
Grey post, with whin girdles				5	2	8	
Strong grey post							
White post, inclined to whin							
Strong white post							
<i>Beaumont Seam—</i>							
COAL	1	11					
Fire clay band	0	11					
COAL	0	9					
				0	3	7	
					6	0	3
Fire clay	0	2	1				
Mixed grey post	3	5	0				
White post	1	4	0				
COAL, with bands	0	2	3				
					6	1	4
Total				167	2	4½	

No. 1,164.—HEWORTH.

TOWNSHIP OF HEWORTH, DURHAM.

Sheet of Ordnance Map. Lat. , Long.

Bored in the Third Pit at Heworth, about 300 yards to the Northward from the Engine.

Approximate surface level feet above sea (Ordnance datum).

	Ft.	Ft.	In.	Ft.	Ft.	In.		Ft.	Ft.	In.	Ft.	Ft.	In.
Sunk to the scaffold...				3	0	0	Brought forward	6	2	0	3	0	0
Box ...	5	0	0				Black metal ...	0	1	0			
Blue grey metal ...	1	2	0										
Carried forward	6	2	0	3	0	0	Carried forward	6	3	0	3	0	0

No. 1,165.—HOLBORN.—CONTINUED.

	Fa.	Pt.	In.	Fa.	Pt.	In.		Fa.	Pt.	In.	Fa.	Pt.	In.
light forward	1	0	7	36	5	0	Brought forward	3	0	11	36	5	0
al ...	0	0	7				White post	1	0	7			
al ...	0	2	5				White post. New Stn.	1	0	4			
st ...	0	0	4				1840	1	0	4			
bal and post							Parting	0	1	2			
al ...	0	2	10				White	0	2	1			
al ...	0	0	7				Grey metal with post						
les ...	0	0	4				girdles and water	1	2	4			
le ...	0	1	6				White post with water	1	1	4			
is parting ...	0	0	4				Parting	1	1	2			
st (Nov. 25th,							White post	1	0	4			
al ...	0	4	3				White post. Dec. 2nd.						
al ...	0	0	10				1840	1	2	2			
bal and post							Blue parting	1	1	4			
al ...	0	2	2				Blue stone with turn						
al ...	0	0	6				girdles	1	4	1			
... ..	0	0	4				Blue stone	1	1	1			
... ..	0	0	3				COAL	1	0	1			
... ..	0	0	11								4	2	0
al ...	0	0	8				Seegar clay	1	1	7			
st ...	0	4	6				Grey metal with post						
... ..	0	0	1				girdles	1	4	1			
st ...	0	0	10								1	4	7
... ..	0	0	1										
ied forward	5	0	11	36	5	0	Total				46	1	4

No. 1,166.—HOLBORN.

TOWNSHIP OF HOLBORN, DURHAM.

Sheet 15 of Ordnance Map. Lat. Long.

Int of Strata bored through in Holborn Group, in the West End, by
Thomas Wake. May 1844.

Approximate surface level feet above sea. Ordnance datum.

	Fa.	Pt.	In.	Fa.	Pt.	In.		Fa.	Pt.	In.	Fa.	Pt.	In.
st ...	1	3	0				Brought forward	3	2	4	2	4	9
stal ...	0	5	3				Yellow post, with						
... ..	0	0	8				water	0	4	4			
				2	2	11	COAL	0	3	4			
l ...	0	0	3								10	2	6
-Ruler Coal	0	1	6				Blue stone with post						
				0	1	9	girdles	2	4	6			
l ...	0	3	0				Soft metal, mixed with						
st ...	3	0	0				coal	0	0	9			
post, with							Blue stone with much						
... ..	1	1	6				water	1	1	6			
ie ...	2	0	0				Strong white post,						
tal stone	0	2	0				with much water	4	4	6			
al stone	0	3	0				Blue stone	1	1	6			
tal and post							COAL—Torneley						
... ..	2	0	0				Seam	0	4	1			
											10	4	10
ied forward				4	8		Total				24	0	0

No. 1,165.—HOLBORN.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
brought forward	1	0	7	36	5	0	Brought forward	5	0	11	36	5	0
netal	0	0	7				White post	0	1	7			
netal	0	2	5				White post (Nov. 28th,						
post	0	0	4				1840)	0	0	6			
metal and post							Parting	0	0	2			
les	0	2	10				Whin	0	1	5			
netal	0	0	7				Grey metal, with post						
irdles	0	0	4				girdles and water...	0	2	4			
girdle	0	1	6				White post, with water	0	3	6			
stone parting ...	0	0	4				Parting	0	0	2			
post (Nov. 25th,							White post	0	1	4			
)	0	4	3				White post (Dec. 2nd,						
netal	0	0	10				1840)	0	2	2			
metal and post							Blue parting...	0	0	4			
les	0	2	2				Blue stone, with thin						
netal	0	0	6				girdles	0	4	5			
... ..	0	0	4				Blue stone	0	0	3			
g	0	0	3				COAL	0	1	0			
... ..	0	0	11								8	2	1
netal	0	0	8				Seggar clay	0	0	7			
post	0	4	6				Grey metal, with post						
g	0	0	1				girdles	0	4	0			
post	0	0	10								0	4	7
g	0	0	1										
carried forward	5	0	11	36	5	0	Total				45	5	8

No. 1,166.—HOLBORN.

TOWNSHIP OF HOLBORN, DURHAM.

Sheet 15 of Ordnance Map. Lat. , Long.

Account of Strata bored through in Holborn Grange, below West Hedge, by Thomas Wake. May, 1696.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
post	1	3	0				Brought forward	9	3	6	2	4	8
metal... ..	0	5	3				Yellow post, with						
L	0	0	8				water	0	4	6			
				2	2	11	COAL	0	0	6			
hill	0	0	3								10	2	6
L—Ruler Coal	0	1	6				Blue stone, with post						
				0	1	9	girdles	2	4	6			
hill	0	3	0				Soft metal, mixed with						
post	3	0	0				coal	0	0	9			
r post, with							Blue stone, with much						
er	1	1	6				water	1	1	6			
stone	2	0	0				Strong white post,						
metal stone ...	0	2	0				with much water ...	4	4	6			
metal stone ...	0	3	0				Blue stone	1	1	6			
metal and post							COAL—Towneley						
les	2	0	0				Seam	0	4	1			
											10	4	10
carried forward	9	3	6	2	4	8	Total				24	0	0

E E

No. 1,167.—HOLBURN.

TOWNSHIP OF HOLBURN, NORTHUMBERLAND.

Sheet 15 of Ordnance Map. Lat. 55° 37' 30", Long. 1° 54' 23".

Section of the Pit at Holburn, sunk near the Old Windmill Shaft, just within Property. August, 1860.

Approximate surface level 450 feet above sea (Ordnance datum).

	Ft.	Ft.	In.	Ft.	Ft.	In.		Ft.	Ft.	In.	
Freestone	6	0	0				Brought forward	11	3	0	
Blue metal shale	1	1	0				Limestone	0	1	6	
Hard freestone	0	3	0				Shale	0	0	6	
Blue metal shale	0	4	0				<i>Scremerston Seam—</i>				
Limestone	0	2	0								
Blue metal or shale	0	3	0				COAL	1	8		
White or hard free-							Blue metal	0	5		
stone	0	4	0				COAL	0	10		
Blue metal	0	2	0						0	2	11
Limestone	0	0	6								1
Blue metal shale	0	2	0				Blue metal	0	0	10	
Limestone	0	3	0				Black stone	0	0	4	
Blue metal	0	2	6								
Carried forward	11	3	0				Total				*

* Approximate sea level 375 feet below this.

No. 1,168.—HOLLAND BUSH.

TOWNSHIP OF

Sheet of Ordnance Map. Lat. , Long.

Account of Boring at Holland Bush. Commenced November 18th, 1857

Approximate surface level feet above sea (Ordnance datum).

	Ft.	Ft.	In.	Ft.	Ft.	In.		Ft.	Ft.	In.	
Yellow clay	0	5	9				Brought forward	1	1	7	1
Freestone	5	5	7				Grey metal	0	0	3	
Grey metal	0	1	2				COAL	0	0	11	
COAL	0	0	4								
				7	0	10	Dark grey metal	0	0	8	
Sand	0	1	2				Grey metal, with post				
Grey metal with post							girdles	2	0	0	
girdles	2	5	10								
COAL, fuel	0	0	6				COAL	0	11		
				3	1	6	Band	0	2		
Grey metal	0	3	8				COAL	2	4		
White post	0	3	11						0	3	5
Carried forward	1	1	7	10	2	4	Carried forward				1

No. 1,170.—HOLMSIDE.

TOWNSHIP OF HOLMSIDE, DURHAM.

Sheet 12 of Ordnance Map. Lat. 54° 50' 39", Long. 1° 40' 0".

Second place bored on Holmside Common, about 400 yards to the South from the place. August 18th, 1754.

Approximate surface level 525 feet above sea (Ordnance datum).

	Ft.	Ft.	In.	Ft.	Ft.	In.		Ft.	Ft.	In.	Ft.
Soil and stony clay ...	1	3	0				Brought forward				9
Gravelly clay, mixed with sand and water	1	2	0				Grey and blue metal, with girdles or cat-heads and scares of coal ...	1	4	0	
Strong stony clay ...	1	0	0				Black grey metal stone, with girdles or cat-heads ...	1	1	0	
Grey and brown ramble, mixed with stony clay ...	0	4	0				Gritty strong grey post, mixed with whin ...	0	1	4	
Stony clay ...	2	3	6	7	0	6	Black grey metal stone	0	1	9	
Grey and brown scamy metal ...	0	3	0				Whin ...	0	0	7	
Grey and blue metal, with girdles or cat-heads ...	1	0	0				Blue and grey metal and metal stone, with post girdles or lumps ...	2	0	0	
Grey metal stone, with water ...	0	2	6								
Grey post ...	0	1	0				COAL ...	3	0		
							COAL, foul or coarse ...	1	11		
COAL ...	0	11						0	4	11	
Grey metal, mixed with coal ...	0	5		2	1	10	In strong black grey metal ...				
Carried forward	9	2	4				Total ...				*11

* Approximate sea level 430 feet below this.

No. 1,171.—HOLMSIDE.

TOWNSHIP OF HOLMSIDE, DURHAM.

Sheet 12 of Ordnance Map. Lat. 54° 50' 46", Long. 1° 40' 25".

Account of the Boring in the third place on Holmside Common, about 500 yards South-west from the first place. September 17th, 1754.

Approximate surface level 660 feet above sea (Ordnance datum).

	Ft.	Ft.	In.	Ft.	Ft.	In.		Ft.	Ft.	In.	Ft.
Soil and stony clay ...	0	2	0				Brought forward	0	5	0	
Brown and blue ramble metal ...	0	3	0				Grey, brown, and blue metal and metal stone, post girdles or lumps and water	4	2	0	
Carried forward	0	5	0				Carried forward	5	1	0	

No. 1174.—HOLYWELL.—Continued.

	Fa.	Pt.	In.	Fa.	Pt.	In.		Fa.	Pt.	In.	Fa.	Pt.	In.
Brought forward	2	4	11	3	1	1	Brought forward	2	4	11	3	1	1
ong white post, with							ong white post	1	1	1			
water	3	3	3				ong white post	1	2	1			
ong white	0	1	0				White post	1	4	4			
ite post	1	0	0				COAL						
COAL	0	0	2				Blue metal	1	3				
				7	4	2	COAL	1	4				
hite post	0	1	6										
ey post	1	0	9										
ong white post	2	3	0										
ack metal	1	5	3										
COAL	0	1	0										
				5	5	4							
Carried forward	18	5	4				Total				20	1	5

No. 1175.—HOLYWELL.

TOWNSHIP OF HOLYWELL, NORTHUMBRIAN.

Sheet 51 of Ordnance Map. Lat. 55° 3' 44". Long. 1° 30' 11".

Approximate surface level 50 feet above sea (Ordnance datum).

Bored at Holywell, about 15 yards North of Fiddler's Hole. July, 1878.

	Fa.	Pt.	In.	Fa.	Pt.	In.		Fa.	Pt.	In.	Fa.	Pt.	In.
Soil and sandy channel							Brought forward				5	0	9
and water	0	3	6				COAL, mixed with						
White post	0	4	6				black slaty metal	0	0	6			
Grey sandy stone	0	1	5				Black slaty metal	0	0	3			
White and grey post,							COAL, fine	0	0	6			
with metal partings							Black and grey metal,						
and some small sip-							mixed with coal	0	0	6			
ings of water	3	0	0				COAL, with water	0	0	3			
Grey metal and part-											0	2	2
ings near the bottom	0	3	0				In grey metal				0	0	6
				5	0	9							
Carried forward	5	0	9				Total				5	3	4

No. 1176.—HOLYWELL.

TOWNSHIP OF HOLYWELL, NORTHUMBRIAN.

Sheet 51 of Ordnance Map. Lat. 55° 3' 44". Long. 1° 30' 11".

Boring to the Low Main Seam, in the Quarry, about 50 yards West of Holywell Bridge. July, 1878.

Approximate surface level 50 feet above sea (Ordnance datum).

	Fa.	Pt.	In.	Fa.	Pt.	In.		Fa.	Pt.	In.	Fa.	Pt.	In.
Post stone—70 Fa.							Brought forward	0	2	7	5	0	10
thous Post	5	0	8				Grey metal	0	2	5			
COAL	0	0	2				Post girdle	0	2	6			
				5	0	10	Grey metal	1	1	11			
Thin	0	0	10				Post girdle	0	0	11			
	0	1	9				Blue metal	1	0	0			
				2	7	5	0	10					
							Carried forward	3	4	4	5	0	10

No. 1,173.—HOLYWELL.

TOWNSHIP OF HOLYWELL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. , Long.

Bored in the Quarry Close, at Hallowell (or Holywell) West Field House.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	0	0	4				Brought forward	13	2	1	6	0	2
Stony clay	0	0	8										
Soil, with beds of clay	0	4	2				COAL						
Sand and gravel, with							COAL, foul	0	2				
water	0	1	6					0	0	11			
Brown post	0	1	6								13	3	0
Grey post	3	3	0				Grey metal		0	2	0		
Grey metal stone and							Grey scamy post ...	1	3	10			
post girdles ...	0	4	10				Whin	0	1	6			
COAL, foul, with							Strong white and grey						
bands of metal ...	0	2	2				post, with water						
				6	0	2	near the bottom ...	8	0	9			
Grey metal	0	5	4				Blue metal	0	0	3			
Grey girdly post and							COAL, with a						
metal partings ...	1	3	0				small lump or						
Grey post, with water	4	5	0				band at 29 in. Ft. In.						
Whin	0	0	8				from the top... 3 10						
Black metal, with							Grey metal, mixed						
scars of coal ...	0	0	6				with brass ... 0 4						
Grey metal	0	0	4				COAL	0	2				
Grey post	0	3	0				Black metal, with						
Whin	0	0	3				a mixture of						
Grey post, with metal							coal ... 0 3						
partings	1	5	0				COAL, coarse ... 7						
Whin	0	1	0					0	5	2			
Grey post, with metal											11	1	6
partings	1	0	9				Black metal	0	0	4			
Dark blue and grey							In grey metal	0	1	2			
metal	2	1	3								0	1	6
Carried forward	13	2	1	6	0	2	Total				31	0	2

No. 1,174.—HOLYWELL.

TOWNSHIP OF HOLYWELL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. , Long.

Account of a Boring at Holywell, in the year 1738.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
White post	4	0	0				Brought forward				5	1	10
Grey stone	1	0	0				Grey thill	0	3	0			
COAL, foul	0	1	10				Grey stone	2	0	9			
				5	1	10	Strong whin	0	1	2			
Carried forward				5	1	10	Carried forward	2	4	11	5	1	10

No. 1,176.—HOLYWELL.—CONTINUED.

	Ft.	Pl.	In.	Ft.	Pl.	In.		Ft.	Pl.	In.	Ft.	Pl.	In.
Brought forward				71	3	0	Brought forward	3	0	5	71	3	0
Grey metal stone and whin girdles ...	1	0	9				<i>Low Main Seam—</i>						
Grey metal stone, with post girdles ...	1	5	3				COAL, foul	0	2				
Black stone ...	0	0	5				COAL ...	2	8½				
									0	2	10½		
							In grey metal				3	3	3½
											0	3	7
Carried forward	3	0	5	71	3	0	Total				75	3	10½

No. 1,177.—HOLYWELL.

TOWNSHIP OF HOLYWELL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. _____, Long. _____

Bored in Holywell Royalty, 300 yards West of Green's Farm House.

Approximate surface level _____ feet above sea (Ordnance datum).

	Ft.	Pl.	In.	Ft.	Pl.	In.		Ft.	Pl.	In.	Ft.	Pl.	In.
Soil ...	0	1	0				Brought forward	8	5	0	19	0	0
Gravelly sand and water ...	1	0	6				Post and whin girdles, with partings and water ...	2	2	4			
Blue gravelly clay ...	11	2	6				Grey metal ...	2	0	6			
Brown broken post ...	0	2	0				COAL ...	0	0	8			
Grey metal ...	0	1	10								13	2	6
Brown broken post ...	2	5	0				Whinny post	0	0	5			
Grey metal ...	0	2	9				COAL	0	0	4			
White post ...	0	2	0								0	0	9
Light grey metal ...	1	4	2										
Dark grey metal ...	0	1	6										
COAL, mixed with black stone ...	0	0	9										
				19									
Grey thill ...	0	5	0										
Light grey metal, with girdles ...	0	4	6										
Post and whin girdles, with metal partings	1	2	6										
Whin ...	0	2	0										
White post, with water and partings ...	5	3	0										
Carried forward	8	5	0										

Nothing satisfactory

No. 1,174.—HOLYWELL.—CONTINUED.

	Pt.	Pt.	In.	Pt.	Pt.	In.		Pt.	Pt.	In.	Pt.	Pt.	In.
Brought forward	3	4	4	5	0	10	Brought forward	45	1	7			
Black stone	1	1	9				Grey metal	0	0	7			
COAL	0	0	9				Grey and white post	2	4	2			
				5	0	9	Grey metal stone and						
Dark grey dull, posty	0	2	9				whin girdles	1	4	4			
Grey post and metal							COAL—Yard Seams	0	2	10			
partings	0	3	6								4	5	11
Post—Kiss Post	1	2	0	3			Grey metal	0	4	0			
		4	5	9			Black metal and iron						
<i>Egft Kiss Seams—</i>							girdles	0	1	3			
COAL, waxy							Grey metal stone	1	4	0			
at top and last							Dark grey metal and						
fine rather Pt. In.							coal	0	2	0			
tender	5	3					Grey metal stone and						
hard	0	3					black scars	1	0	9			
COAL, ground	1	9					Grey metal stone and						
White dull	0	7					strong post girdles	5	2	8			
COAL, bottom	0	6					Black stone	0	1	9			
				1	2	3							
						11	2	5					
<i>Run-up mentioned by</i>							<i>Bensham and Six-</i>						
<i>John R. Motterson,</i>							<i>Quarter Seams—</i>						
<i>Gen. John Dobb—</i>							COAL, foul	Pt. In.					
Grey metal	0	1	2				COAL	0	6				
COAL, fine mixed							COAL	1	10				
with metal	0	3	0				COAL, foul	0	5				
				0	4	2	Dark grey						
Grey metal	0	4	0				metal	1	7				
Grey metal stone and							COAL	1	10				
post girdles	6	0	0				Grey metal	3	0				
Strong white post and							COAL	0	2				
water	5	2	3							1	3	4	
COAL—Metal Coal											11	1	9
Seams	0	3	6				Grey metal stone, with						
				12	3	9	strong ironstone						
Grey metal	0	3	3				girdles	2	3	7			
<i>Elmley Stone Coal—</i>							Wain	0	2	4			
Dark metal	Pt. In.						Grey and white post	1	0	6			
with coal	1	6					Grey metal and iron-						
COAL, strong							stone girdles	1	1	8			
split	1	2					COAL	0	0	3			
				0	2	5	Grey metal stone, with						
						0	5	11					
Blue metal stone and							<i>Five-Quarter Seams—</i>						
ironstone girdles	3	4	0				COAL	Pt. In.					
Grey post	0	0	5				COAL	2	4				
Wain, with partings							Grey metal	1	2				
and water	0	2	0				COAL	1	4				
White and grey post	2	0	0						0	4	10		
Strong white post	1	2	6								6	1	7
Grey metal stone and							Grey metal stone and						
ironstone girdles	1	2	7				white post girdles	0	5	6			
							Strong post and whin						
COAL	Pt. In.						girdles	0	3	10			
COAL, mixed	0	5					Grey metal stone and						
with metal	0	2					whin girdles	2	0	8			
Dark metal	0	6					COAL	0	0	2			
COAL	0	5									3	4	2
				0	2	0							
						9	1	9					
Carried forward				45	1	7	Carried forward				71	3	0

* Approximate sea level (Ordnance datum).

No. 1,176.—HOLYWELL.—CONTINUED.

	Ft.	In.	Ft.	In.		Ft.	In.	Ft.	In.
Brought forward			71	3	0	Brought forward	3	0	5 71 3 0
Grey metal stone and whin girdles ...	1	0	9			<i>Low Main Seam—</i>			
Grey metal stone, with post girdles ...	1	5	3			COAL, foul	0	2	
Black stone ...	0	0	5			COAL ...	2	8½	
							0	2	10½
						In grey metal			3 3 3½
									0 3 7
Carried forward	3	0	5 71	3	0	Total			75 3 10½

No. 1,177.—HOLYWELL.

TOWNSHIP OF HOLYWELL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. , Long.

Bored in Holywell Royalty, 800 yards West of Green's Farm House.

Approximate surface level feet above sea (Ordnance datum).

	Ft.	In.	Ft.	In.		Ft.	In.	Ft.	In.
Soil ...	0	1	0		Brought forward	8	5	0 19	0 0
Gravelly sand and water ...	1	0	6		Post and whin girdles, with partings and water ...	2	2	4	
Blue gravelly clay ...	11	2	6		Grey metal ...	2	0	6	
Brown broken post ...	0	2	0		COAL ...	0	0	8	
Grey metal ...	0	1	10						13 2 6
Brown broken post ...	2	5	0		Whinny post ...	0	0	5	
Grey metal ...	0	2	9		COAL ...	0	0	4	
White post ...	0	2	0						0 0 9
Light grey metal ...	1	4	2		Grey posty thill ...	0	0	3	
Dark grey metal ...	0	1	6		Whinny post ...	0	0	9	
COAL, mixed with black stone ...	0	0	9		White post girdles, with metal partings	2	3	4	
				19 0 0	Whin ...	1	0	0	
Grey thill ...	0	5	0		Grey metal ...	0	0	11	
Light grey metal, with girdles ...	0	4	6		White post ...	0	4	0	
Post and whin girdles, with metal partings	1	2	6		Whin ...	0	3	8	
Whin ...	0	2	0		White post (left off here) ...	0	2	6	
White post, with water and partings ...	5	3	0						5 3 5
Carried forward	8	5	0 19	0 0	Total				38 0 8

Nothing satisfactory got in this hole; supposed to be upon a trouble.

FF

No. 1,178.—HOLYWELL.

TOWNSHIP OF HOLYWELL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat.

, Long.

Bored in the second place in Holywell Royalty. March 11th, 1824

Approximate surface level feet above sea (Ordnance datum).

	Ft.	Ft.	In.	Ft.	Ft.	In.		Ft.	Ft.	In.
Soil ...	0	1	0				Brought forward	7	5	0
Brown clay ...	0	3	0				Grey metal stone ...	0	2	0
Blue gravelly clay ...	3	2	0				Grey metal stone, with			
Blue leafy clay ...	0	1	6				post girdles ...	0	3	8
Blue gravelly clay ...	2	0	6				White post girdles,			
Blue leafy clay ...	0	2	6				with cashy partings	1	4	6
Blue strong gravelly							White post ...	0	3	0
clay ...	7	1	6				Grey metal stone, with			
Grey metal ...	0	0	2				girdles ...	0	3	2
COAL ...	0	0	5				Blue stone ...	0	3	0
				14	0	7	Black stone ...	1	1	8
Grey metal ...	0	1	10				COAL ...	0	0	5
COAL ...	0	0	10							
				0	2	8	Grey thill ...	0	1	5
Grey pasty thill ...	0	2	3				Strong grey post ...	1	2	4
White post ...	0	5	6				White post ...	0	2	6
Scamy grey metal							Strong brown whin...	0	3	8
stone, with post							White post— <i>Main</i>			
girdles and whin							<i>Post</i> ...	9	1	8
clvers ...	3	1	0				<i>High Main Seam—</i>			
Grey metal ...	0	2	4				COAL ...	Ft.	In.	
Grey metal stone, with							Swad ...	0	3	
girdles ...	1	0	5				COAL, ground	1	9	
Black stone,							Grey thill ...	0	6	
mixed with	Ft.	In.					COAL, bot-			
coal ...	0	3					tom ...	2	6	
Grey metal ...	0	10								
COAL, foul...	0	6						1	4	4
Grey metal ...	0	3								
COAL ...	0	5								
				0	2	3				
				6	1	9				
Dark grey thill stone	0	5	6							
White post, with whin										
clvers and water										
partings at top ...	6	5	6							
Carried forward	7	5	0	20	5	0	Total ...			

No. 1,179.—HOLYWELL.

TOWNSHIP OF HOLYWELL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. , Long.

No. 3 Borehole on the Holywell Estate, N. 44 E. from Borehole No. 2.
February 7th, 1825.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward	11	1	1	17	4	5
Brown gravelly clay ...	0	5	0				Dark grey metal, with						
Blue gravelly clay ...	5	0	0				girdles ...	1	2	6			
Sand and gravel ...	1	1	0				Black metal ...	1	3	10			
Strong blue gravelly													
clay ...	3	2	0				COAL ...	1	2				
Brown post, with part-							Metal ...	0	1				
ings ...	3	0	0				COAL ...	0	2				
Whin ...	0	2	0							0	1	5	
Post and whin girdles	1	1	9								14	2	10
Blue and brown metal	1	0	9				Grey thill ...	0	3	6			
Grey metal, with post							Post ...	1	4	0			
girdles ...	1	0	6				Whin ...	0	2	0			
Black metal ...	0	1	6				White post, with part-						
							ings, whin clyers,						
COAL ...	0	4					and water ...	6	4	11			
Dark metal ...	0	1					High Main Seam—						
COAL ...	0	6											
			0	0	11		COAL ...	5	2				
						17	4	5	Dark metal ...	0	2½		
Grey thill ...	0	5	0				COAL, ground	1	10				
Grey metal, with post							Grey thill ...	0	10				
girdles ...	0	4	9				COAL, bottom	2	6				
White post, with whin										1	4	6½	
clyers and water ...	6	5	4								11	0	11½
Blue metal ...	0	1	6				Grey thill ...				0	1	2
Post girdles and metal													
partings ...	2	2	6										
Carried forward	11	1	1	17	4	5	Total ...				43	3	4½

No. 1,180.—HOLYWELL.

TOWNSHIP OF HOLYWELL, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. 55° 2' 48", Long. 1° 31' 9".

Account of Strata sunk through at Holywell. 1828.

Approximate surface level 190 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward	3	2	0			
Blue clay ...	1	0	0				Sand and gravel, with						
Brown clay ...	2	1	0				water ...	0	3	0			
							Loamy clay ...	0	3	6			
Carried forward	3	2	0				Carried forward	4	2	6			

No. 1,180.—HOLYWELL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	4	2	6				Brought forward	0	3	0	23	0	7
Sand, with water	0	0	6				Grey metal, with post						
Blue gravelly clay	3	2	0				girdles	0	4	4			
Scummy grey post	0	3	0				COAL	0	0	9			
Blue metal and post											1	2	1
girdles	0	2	11				Strong grey thill						
Blue metal, with iron-							stone	0	5	0			
stone girdles	0	1	0				White post	1	3	7			
COAL	0	0	7				Strong grey metal,						
				2	0	6	with post girdles						
Grey thill	1	0	4				and water	2	5	10			
COAL, mixed with							Black stone	0	2	11			
black stone	0	1	1				COAL	0	0	4			
				1	1	5	Grey metal	0	1	0			
Thill	0	1	2				COAL	0	0	2			
Blue metal, with post											6	0	10
girdles	0	5	2				Grey thill	0	1	8			
A girdle of petrified							Blue metal, mixed	0	4	10			
shells	0	0	4				with post	0	4	2			
Grey thill stone	0	1	11				Strong white post,						
Grey metal stone, with							with whin and						
scars of post	0	3	6				water	6	5	0			
White post, with whin							Blue metal	0	2	6			
and metal partings	2	5	10				COAL	0	0	3			
Blue metal	0	1	2								9	0	5
COAL	0	0	7				Grey thill	0	1	0			
				5	1	8	Post girdles and metal						
Grey thill stone	1	1	7				partings	3	0	0			
Dark grey metal stone	2	1	2				Black stone	1	4	0			
COAL	0	0	10				COAL	0	0	5			
				3	3	7					4	5	5
Dark grey thill	1	0	3				Strong grey thill stone	0	2	0			
Sealing grey post	2	0	0				White post, with whin						
Blue metal	0	4	6				and water	11	0	2			
COAL	0	0	8				COAL—High Main						
				3	5	5	Seam	0	5	5			
Grey thill	0	3	0								12	1	7
Carried forward	0	3	0	23	0	7	Total				56	4	11

* Approximate sea level (Ordnance datum).

No. 1,181.—HOLYWELL.

TOWNSHIP OF HOLYWELL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. , Long.

Strata sunk through in the Algernon Pit, Holywell Colliery. March 30th, 1853.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Outset	1	0	0				Brought forward	2	1	6			
Soil	0	0	6				Blue gravelly clay	1	3	0			
Brown clay	1	1	0				Leafy clay	0	2	0			
Carried forward	2	1	6				Carried forward	4	0	6			

No. 1,183.—HOLYWELL.

TOWNSHIP OF HOLYWELL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. _____, Long. _____

Log of Boring in Bates Pit, East Holywell, from the High Main Seam to the Low Main Seam. July 19th, 1865.

Approximate sea level _____ feet above sea (Ordnance datum).

	Fa.	Ft.	In.	Fa.	Ft.	In.		Fa.	Ft.	In.	Fa.	Ft.	In.
Post ...	6	2	0				Brought forward				41	3	8
It ...	6	4	9				Grey shale	6	4	0			
Metal Coal							Bensham Seam—						
... ..	0	3	0										
				13	3	9							
... ..	2	0	3				COAL, foul	2	2				
... ..	1	2	0				Grey shale	0	10				
... ..	2	2	0				COAL	1	8				
... ..	3	0	0							0	4	8	
... ..	2	4	6								7	2	8
Shale, mixed							Black shale	0	0	11			
al ...	0	3	0				Shale	3	0	0			
... ..	1	3	0				Whin girdle	0	0	10			
Sh girdles	2	3	3				Shale	2	0	10			
Yard Seam	0	2	9				Black shale	0	0	5			
				16	2	9	COAL (a little grey						
... ..	4	4	8				stone, 3 in.)—Five-						
... ..	1	4	4				Quarter Seam	0	3	9			
... ..	3	5	6				Into grey shale	0	0	8			
... ..	0	2	0								6	1	5
... ..	0	3	2										
... ..	0	1	6										
				11	3	2							
Carried forward				41	3	8	Total				55	1	9

No. 1,184.—HOLYWELL.

TOWNSHIP OF HOLYWELL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 55° 4' 6", Long. 1° 30' 45".

Log of Strata sunk through in the D Pit, East Holywell Colliery. Commenced October 5th, 1872.

Approximate surface level 126 feet above sea (Ordnance datum).

	Fa.	Ft.	In.	Fa.	Ft.	In.		Fa.	Ft.	In.	Fa.	Ft.	In.
by ...	0	3	0				Brought forward	3	2	0			
the clay	1	4	0				Sand, with a little						
	1	1	0				water	0	0	6			
Carried forward	3	2	0				Carried forward	3	2	6			

No. 1,182.—HOLYWELL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				34	0	6		Brought forward			72	5	9
Grey thill ...	0	2	9					Thill stone ...	0	0	6		
Strong white post, with whin clyers and water ...	8	1	0					Grey post ...	1	4	0		
Blue metal, with post girdles ...	0	5	4					Blue stone (walling here) ...	2	0	0		
COAL -- <i>High Main Seam</i> (got May 1st, 1839) ...	0	5	4					Grey post, with metal partings ...	0	5	8		
Swad ...	0	0	1					White post, mixed with whin ...	8	0	5		
				10	2	6		Blue metal ...	1	3	0		
<i>Sunk further, to Low Main Seam, Jan. 10th, 1860:</i> —								Black stone ...	0	0	9		
COAL , foul... 1 9								<i>Bensham and Six- Quarter Seams</i> —					
Thill stone ... 0 9								COAL ... 2 4					
COAL , foul... 2 4								Band ... 0 7					
				0	4	10		COAL ... 1 8					
									0	4	7		
Blue metal ... 3 0 0				0	4	10					15	0	11
Grey metal (walling 3 fms. 3 ft. 10 in. into top of this grey metal) ... 2 3 0								Thill stone ... 0 1 7					
Post girdles ... 0 1 0								Grey post and whin girdles ... 0 5 9					
Grey metal ... 2 1 7								Grey post ... 1 2 11					
White post ... 2 4 0								Whin girdles ... 0 2 10					
COAL — <i>Metal Coal Seam</i> ... 0 3 0								Grey metal, with post girdles ... 1 3 4					
				11	0	7		Black stone coal ... 0 0 5					
Thill stone ... 0 3 0								Black stone band ... 0 0 11					
Blue metal, with iron- stone girdles ... 2 3 0								Grey metal ... 0 0 11					
COAL — <i>Hartley Stone Coal</i> ... 0 2 4								<i>Five-Quarter Seam</i> —					
				3	2	4		COAL ... 1 6					
Thill stone ... 0 4 6								Black stone ... 0 11					
Blue metal, with iron- stone girdles ... 3 4 0								COAL ... 2 0					
Grey metal, with post girdles ... 0 4 0									0	4	5		
Post stone, with metal partings and coal pipes ... 0 5 0											5	5	1
Blue metal, with post girdles ... 2 1 8								Thill stone ... 0 1 0					
								Grey post, with metal partings ... 1 2 0					
COAL ... 0 2								Whin girdles ... 0 1 2					
Band ... 0 7								Grey post ... 0 2 2					
COAL ... 2 0								Blue metal, with iron- stone girdles ... 1 3 0					
				0	2	9		Black stone ... 0 0 6					
				8	3	11		Grey metal ... 0 3 9					
Thill stone ... 1 1 0								Grey metal, with grey post girdles ... 0 3 6					
Blue metal (walling 2 fs. 0 ft. 9 in.) ... 0 3 0								<i>Low Main Seam</i> —					
Grey post ... 1 4 0								COAL , grey ... 0 5					
Blue metal ... 0 4 4								COAL ... 3 11					
COAL — <i>Yard Seam</i> ... 0 2 9									0	4	4		
				4	3	1					5	3	5
								Thill stone ... 0 5 0					
Carried forward				72	5	9		Grey metal ... 0 4 0					
								Post ... 0 4 0					
								Grey metal ... 0 1 3					
								Post stone ... 0 2 9					
											2	5	0
								Total ...			102	2	2

No. 1,183.—HOLYWELL.

TOWNSHIP OF HOLYWELL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. , Long.

ount of Boring in Bates Pit, East Holywell, from the High Main Seam to the
Low Main Seam. July 19th, 1865.

Approximate sea level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
and post ...	6	2	0				Brought forward				41	3	8
post ...	6	4	9				Grey shale ...	6	4	0			
L—Metal Coal							Bensham Seam—						
... ..	0	3	0				Ft. In.						
				13	3	9	COAL, foul	2	2				
... ..	2	0	3				Grey shale .	0	10				
post ...	1	2	0				COAL ...	1	8				
shale ...	2	2	0							0	4	8	
... ..	3	0	0								7	2	8
... ..	2	4	6				Black shale ...			0	0	11	
shale, mixed							Shale ...			3	0	0	
h coal ...	0	3	0				Whin girdle ...			0	0	10	
... ..	1	3	0				Shale ...			2	0	10	
, with girdles ...	2	3	3				Black shale ...			0	0	5	
L—Yard Seam	0	2	9				COAL (a little grey						
				16	2	9	stone, 3 in.)—Five-						
shale ...	4	4	8				Quarter Seam ...	0	3	9			
... ..	1	4	4				Into grey shale ...	0	0	8			
... ..	3	5	6								6	1	5
L ...	0	2	0										
... ..	0	3	2										
L ...	0	1	6										
				11	3	2							
Carried forward				41	3	8	Total ...				55	1	9

No. 1,184.—HOLYWELL.

TOWNSHIP OF HOLYWELL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 55° 4' 6", Long. 1° 30' 45".

tion of Strata sunk through in the D Pit, East Holywell Colliery. Commenced
October 5th, 1872.

Approximate surface level 126 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
et ...	0	3	0				Brought forward	3	2	0			
w clay ...	1	4	0				Sand, with a little						
ag blue clay ...	1	1	0				water ...	0	0	6			
Carried forward	3	2	0				Carried forward	3	2	6			

No. 1004.—HILLHILL—CONTINUED.

Brought forward	ft.	in.	ft.	in.	Brought forward	ft.	in.	ft.	in.		
Blue clay with lime	1	2	1		COAL—Middelland			37	2	3	
stone wallers	2	1	1		Seggar	2	0	9			
band	1	1	1		Grey metal	4	0	0			
Blue clay with lime	2	1	1		Grey post	3	0	0			
				7	5	1	Grey metal	1	1	0	
					Grey post	5	4	4			
Soft blue metal	1	4	1		COAL—Middelland						
Soft grey post with					Seam	0	3	6			
lime metal partings	2	2	1					16	2	10	
Strong white post					Band	0	0	6			
girdle mixed with					COAL—Seam Coal	0	1	11			
run	1	1	1						0	2	5
Put girdles with lime					Seggar	0	4	0			
metal partings	1	5	9		Grey metal with girdles	1	4	9			
COAL—Middelland	1	1	10		Whin	0	1	9			
				5	2	10	White post	1	2	1	
Seggar clay	0	2	2		COAL	0	0	5			
Soft grey post	0	4	3						4	0	11
White post	0	2	0		Seggar	0	1	0			
Whin girdle	0	4	9		Post	0	3	8			
Grey post	0	2	4		Blue metal	4	2	6			
Brown post	0	5	0		COAL	0	2	0			
Whin	0	5	0						5	3	2
Strong white post					Seggar	0	2	4			
with whin balls	1	5	0		Put girdle	0	1	0			
Strong white slicing					Grey metal	0	4	6			
post	1	2	0		Whin girdle	0	0	6			
Brown post, heavy-					Grey metal, with iron						
crumbed	0	2	0		girdles	1	0	6			
Middelland post	0	0	2		Whin	0	2	2			
COAL	1	0	3		Post	0	4	0			
				8	5	4	Grey metal, with iron				
Thin stone	0	0	6		girdles	1	0	9			
White post girdle	0	1	8		COAL—Ford Seam	0	2	11			
Blue metal	0	0	6						5	0	8
White post girdle	0	1	4		Seggar	1	0	0			
Blue metal laid out					Grey metal	3	3	0			
for walling)	0	1	6		Grey post	3	3	0			
Grey post	1	2	0		Grey metal	0	5	4			
Light blue metal	0	4	6		COAL—Benham						
Dark blue metal	1	2	6		Seam	0	2	4			
COAL	0	1	0						9	1	8
				4	3	6	Seggar clay	1	0	0	
Seggar	0	1	0				COAL—6 4 Seam	0	1	8	
Strong white post gir-									1	1	8
dles and blue metal					Grey metal	2	2	0			
partings	2	2	6		Grey post	1	3	0			
White post	3	4	0		Whin girdle	0	2	0			
Whin	0	5	6		Grey post	1	4	0			
White post	2	2	9		Blue metal	0	3	1			
Blue metal	0	0	5		Black stone	0	1	2			
COAL—High Main									6	3	3
Seam	0	5	5		Five-Quarter Seam—						
				10	8	7	ft.	in.			
Carried forward					COAL	1	8				
					Seggar	1	0				
					COAL	1	9				
								0	4	5	
									0	4	5
					Carried forward				86	5	3

* Approximate sea level (Ordnance datum).

No. 1,184.—HOLYWELL.—CONTINUED.

Brought forward			Fa.	Ft.	In.	Fa.	Ft.	In.
			86	5	3			
Grey metal, with iron girdles	...	...	3	3	10			
COAL	...	...	0	0	2			
White post girdles and grey metal partings	...	...	2	5	2			
Grey metal	...	...	0	3	6			
Black stone	...	...	0	0	5			
Carried forward			7	1	1	86	5	3

Brought forward			Fa.	Ft.	In.	Fa.	Ft.	In.
			7	1	1	86	5	3
<i>Low Main Seam—</i>								
						Ft.	In.	
COAL	...	...				0	0½	
COAL, splint	...	...				0	1½	
COAL, good	...	...				2	8½	
Coaly band	...	...				0	1½	
COAL, rather coarse	...	...				1	3½	
COAL, coarse and slaty	...	...				0	6½	
						0	4	9½
						7	5	10½
Total			...	...	...	94	5	1½

No. 1,185.—HOLYWELL.

TOWNSHIP OF HOLYWELL, NORTHUMBERLAND.

Sheet 81 of Ordnance Map. Lat. 55° 3' 1", Long. 1° 30' 39".

An Account of the Strata sunk through in the Fenwick Pit, East Holywell Colliery, from Surface to Low Main Seam. Commenced to sink, April 21st, 1873; finished, March 10th, 1874.

Approximate surface level 140 feet above sea (Ordnance datum).

			Fa.	Ft.	In.	Fa.	Ft.	In.
			0	2	0			
Outset	...	...	0	2	0			
Soil	...	...	0	2	0			
Red clay	...	...	3	0	0			
Sand, with a little water	...	...	0	5	0			
Strong blue clay	...	...	3	5	0			
Blue clay, mixed with boulders	...	...	2	3	0			
Brown clay	...	...	1	3	4			
Gravel bed	...	...	1	0	0			
Strong brown clay	...	...	2	3	0			
			15	5	4			
Freestone	...	...	0	3	6			
Post girdle	...	...	0	0	11			
Blue metal	...	...	0	4	4			
Post girdle	...	...	0	1	0			
Grey metal	...	...	0	3	6			
Black stone	...	...	0	2	1			
Carried forward			2	3	4	15	5	4

Brought forward			Fa.	Ft.	In.	Fa.	Ft.	In.
			2	3	4	15	5	4
						Ft.	In.	
COAL	...	...				1	0	
Seggar clay	...	...				0	6	
COAL	...	...				0	4	
						0	1	10
						2	5	2
Thill stone	...	...				1	1	4
Post girdle	...	...				0	2	10
Grey metal	...	...				0	2	0
Strong white post (walling crib) mixed with whin and water	...	...				2	3	4
						1	3	8
Rough post, quartz, and whin	...	...				2	0	0
Seggar clay	...	...				0	1	0
Blue metal	...	...				1	3	0
Carried forward			9	5	2	18	4	6

* Approximate sea level (Ordnance datum).

G G

	Pa	Pr	Is	Fa	Pr	Is		Pa	Pr	Is	Fa	Pr	Is				
Brought forward	-	3	11	26	1	4		Brought forward	4	1	4	43	1	0			
Strong grey post	4	1	1					Five-Quarter Seam—									
Blue metal and post									Pa	Pr	Is						
girdles	4	3	2					COAL, dirty	0	3							
Strong white post	4	1	7					Dark grey metal	0	5							
Blue metal	4	3	4					COAL, coarse	1	7							
COAL—First Seam	4	2	4					Dark grey metal	0	11							
				3	3	6		COAL	0	4							
Grey thill	4	2	4					Dark grey metal	0	4							
Post girdle	4	4	4					COAL, tender	1	0							
Dark blue metal stone										0	4	10					
with girdles	4	3	11										5	0	2		
Dark blue metal stone								Grey thill		0	0	6					
with ironstone gir-								Blue metal stone		0	2	6					
dles	1	0	7					White post		0	1	3					
Dark blue metal stone								Blue metal and post									
with girdles	1	0	5					girdles		1	3	4					
Sandy white post	1	3	2					Blue metal and post									
Wain	0	2	0					girdles		0	2	7					
Strong white post								Ironstone girdle		0	0	6					
with wain ciers	7	4	2					Black stone and coal		0	0	2					
Post girdles and metal								Dark grey metal		0	0	3					
partings	1	4	4					Blue metal and post									
Blue metal	0	1	3					girdles		1	0	6					
Beacon Seam—								Post		0	0	10					
COAL	2	0						Wain		0	1	0					
Dark metal	1	3						Strong blue metal									
COAL	1	5						stone and post gir-									
				0	4	8		dles		0	5	11					
				15	2	10		Black stone		0	0	4					
Grey thill	0	0	7					Low Main Seam—									
Blue metal and girdles	1	1	9						Pa	Pr	Is						
Grey post	0	1	9					Splint	0	4							
Post girdles and metal								COAL, strong	1	10							
partings	2	0	0					Dark metal and									
Blue metal	0	3	3					coal		1	0						
								COAL, tender	0	3							
										0	3	5					
															5	5	1
Carried forward	4	1	4	43	1	0		Total	54	0	3			

TOWNSHIP OF HOLYWELL, NORTHUMBERLAND.

*Account of Strata sunk from Surface to Low Main Seam, West Holwell Colliery.
Begun August 3rd. 1857; got coal June 4th, 1857.
Approximate surface level 140 feet above sea (Ordnance datum).*

	Fa	Pt	In	Fa	Pt	In		Fa	Pt	In	Fa	Pt	In
Soil	0	0	9				Brought forward	2	0	3			
Brown clay	0	5	6				Loamy clay and sand,						
Blue gravelly clay	1	0	0				with water	0	5	8			
Carried forward	2	0	3				Carried forward	2	5	11			

No. 1,187.—HOLYWELL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
ought forward	2	5	11				Brought forward	1	3	6	58	1	2
blue clay, with							Post seggar ...	0	4	6			
tumblers ...	2	4	0				Strong white post,						
ie metal ...	0	5	6				with whin clyers						
post ...	0	4	2				and water ...	7	4	0			
whin ...	0	2	8				Grey metal ...	2	4	0			
white post, with							White post ...	1	0	6			
clyers ...	7	1	0				Grey metal ...	1	1	3			
etal stone ...	5	4	4				<i>Bensham Seam—</i>						
stone ...	0	2	2				COAL ...	Ft.	In.				
... ..	0	0	6				Band ...	1	2				
ost seggar ...	0	2	5				COAL ...	2	4				
ost ...	1	5	4							1	0	1	
	0	2	8								15	5	10
white post,							Post thill ...	0	2	0			
whin clyers ...	5	2	0				Grey metal, with post						
netal stone ...	0	0	9				girdles ...	3	2	0			
— <i>High Main</i>							White post ...	2	2	0			
... ..	1	0	3				<i>Five-Quarter Seam—</i>						
... ..	0	0	9				COAL ...	Ft.	In.				
... ..	0	0	3				Stone ...	0	3				
nd black metal	0	2	4				Stone ...	0	10				
one ...	0	0	8				COAL ...	0	1				
... ..	0	0	7				Stone ...	1	3				
etal ...	2	3	0				COAL ...	1	11				
grey metal,							Stone ...	0	9				
d with post and							COAL ...	0	6				
le water ...	4	2	6				Stone ...	0	5				
grey post, with							COAL ...	1	2				
clyers ...	6	2	0							1	1	2	
— <i>Metal Coal</i>											7	1	2
... ..	0	3	10				Seggar stone...	0	2	6			
				14	3	11	Blue metal ...	0	5	0			
thill ...	0	3	4				Post girdle ...	0	0	8			
— <i>Stone Coal</i>							Grey metal, with post						
... ..	0	2	7				and iron girdles ...	1	3	0			
				0	5	11	Blue metal ...	0	1	0			
hill stone ...	0	3	8				Grey metal, with whin						
etal ...	1	1	0				and post girdles ...	3	3	3			
post ...	1	0	0				White post ...	0	3	5			
etal ...	3	3	8				Grey metal and post						
... ..	0	0	7				girdles ...	1	0	0			
netal ...	0	3	9				<i>Low Main Seam—</i>						
... ..	0	0	6				COAL ...	Ft.	In.				
etal ...	1	0	5				COAL ...	0	3				
post ...	0	4	0				COAL, cancell ...	0	2½				
with water ...	0	3	2				COAL ...	4	11				
rdle ...	0	0	4							0	5	4½	
etal ...	0	5	4								9	0	2½
ost ...	0	3	3				Total ...						
etal ...	0	5	0										
— <i>Fard Seam</i>				12	1	8							
ggar ...	0	3	4										
etal ...	0	5	5										
, coarse ...	0	0	9										
ried forward	1	3	6	58	1	2							

* Approximate sea level (Ordnance datum).

No. 1,191.—HOUGHTON.—Continued.

Brought forward				Brought forward			
	Ft.	Pt.	In.		Ft.	Pt.	In.
Thilly blue metal ...	1	4	7	Grey metal ...	9	2	11
COAL ...	0	0	4	White post ...	9	1	4
				Grey metal ...	2	1	5
Blue metal, mixed				COAL ...	0	2	5
with tumblers ...	2	2	4				
Blue coloured post ...	1	5	0	Thill ...	0	2	8
				Thilly grey metal ...	1	3	7
COAL ...	0	9		Blue metal ...	3	0	9
Brown metal ...	0	6		Grey metal and gir-			
COAL ...	0	9		dles ...	0	4	0
	0	2	0	Blue metal ...	1	4	9
				COAL ...	0	1	0
Thilly grey metal ...	1	1	6				
Blue metal, mixed				Thill ...	0	0	11
with whin layers ...	5	0	6	Grey metal, with post			
Black metal ...	1	0	6	girdles and water ...	1	1	11
COAL, with water...	0	0	2	Black cashy partings	0	0	9
				Grey post, mixed with			
Thilly grey metal ...	0	1	8	grey metal ...	0	3	5
COAL ...	0	0	6	COAL ...	0	0	9
Thilly grey metal ...	0	2	0	Thill ...	0	0	5
Grey post, mixed with				Grey metal ...	0	2	0
whin ...	0	5	0	White post, with open			
Blue metal and water	0	3	4	gullets and water...	1	4	6
COAL ...	0	0	4	Blue metal, with iron-			
				stone girdles ...	1	5	6
Thilly grey metal,				Thill ...	0	3	8
with water ...	1	5	2	Thilly grey metal ...	0	2	6
Broken post, with very				Grey post girdles ...	0	0	8
open gullets, mixed				Dark blue stone ...	0	3	2
with whin and grey				Grey post girdle ...	0	0	8
post with water ...	2	1	8	Grey metal, mixed			
Blue stone ...	0	1	0	with post girdles ...	2	2	0
				COAL ...	0	1	1
COAL, splinty ...	0	7					
Brown metal ...	0	2		Grey metal, with whin			
COAL ...	0	4		layers ...	2	4	0
	0	1	1	Blue metal, mixed with			
				coal ...	0	1	6
Thill ...	0	2	11	Grey post, mixed with			
Grey metal ...	0	3	8	whin layers ...	1	3	9
Blue metal ...	0	1	7	White post, mixed			
COAL ...	0	0	7	with whin... ..	2	2	6
				Strong grey metal ...	3	3	0
Thill ...	0	5	0	Blue metal, mixed with			
Grey metal, mixed				ironstone girdles ...	1	4	2
with whin layers ...	2	4	7				
White post, with open				Three-Quarter Seam—			
gullets and water...	0	4	0				
Blue metal ...	0	0	6	COAL ...	0	8	
White post, with open				Brown metal ...	0	3	
gullets and water...	2	2	2	COAL ...	1	0	
	2	4	2				
Black cashy partings							
(bears the principal							
part of the water, as							
little comes out be-							
low here) ...	0	0	6				
Carried forward	9	2	11				

* Approximate sea

No. 1,190.—HOUGHTERSLAW.

TOWNSHIP OF EGLINGHAM, NORTHUMBERLAND.

Sheet 26 of Ordnance Map. Lat. _____, Long. _____

Strata at Houghterslaw, 2½ miles North of Bannamoor, near Eglington, Northumberland.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Clay, thills, a thin limestone and shales	5	0	0				Brought forward	12	4	6			
COAL ...	0	1	3				Hard sandstone ...	0	4	0			
Band ...	0	2	0				Black beds ...	0	2	0			
COAL ...	0	0	9				Bad limestone ...	0	3	0			
Shale ...	0	0	6				Greenish shale ...	0	0	6			
Sandstone, coarse above and fine below	2	3	0				Hard sandstone ...	0	1	3			
Grey beds, or slaty sandstones ...	4	0	0				COAL, with 6 inches band—Main Coal	0	2	5			
White metal, with so-called 10-inch coal	0	3	0								14	5	8
Carried forward	12	4	6				Total ...				14	5	8

Beds are disturbed, but general dip is North-east.

No. 1,191.—HOUGHTON.

TOWNSHIP OF HOUGHTON-LE-SPRING, DURHAM.

Sheet 13 of Ordnance Map. Lat. 54° 50' 47", Long. 1° 28' 21".

Account of Strata sunk through in the Houghton Pit, belonging the Right Honourable the Earl of Durham. Begun April 29th, 1823; finished April, 1827.

Approximate surface level 220 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Black soil ...	0	1	0				Brought forward	4	3	8			
Peat ...	0	3	0				Grey scamy post ...	0	3	8			
Sand, with water ...	2	2	0				Brown post ...	2	1	2			
Blue seggar clay ...	0	4	0				Blue metal, with water	0	3	6			
Grey seggar clay ...	0	3	6				COAL ...	0	0	9			
Brown post, with water ...	0	2	2								8	0	9
Carried forward	4	3	8				Carried forward				8	0	9

No. 1,191.—HOUGHTON.—CONTINUED.

Brought forward			Ft.	Pt.	In.	Ft.	Pt.	In.
Thilly blue metal	...	...	1	4	7	8	0	9
COAL	...	...	0	0	4	1	4	11
Blue metal, mixed with sandstone	...	...	2	2	4			
Blue colored post	...	...	1	5	0			
COAL	...	...	0	9				
Brown metal	...	...	0	6				
COAL	...	...	0	9				
	...	...	0	2	0	4	3	4
Thilly grey metal	...	...	1	1	6			
Blue metal, mixed with white layers	...	...	5	0	6			
Black metal	...	...	1	0	6			
COAL, with water	...	...	0	0	2	7	2	8
Thilly grey metal	...	...	0	1	8			
COAL	...	...	0	0	6	0	2	2
Thilly grey metal	...	...	0	2	0			
Grey post, mixed with	...	...	0	5	0			
Blue metal and water	...	...	0	3	4			
COAL	...	...	0	0	4	1	4	8
Thilly grey metal with water	...	...	1	5	2			
Broken post, with very open gulleys, mixed with white and grey post with water	...	...	2	1	3			
Blue stone	...	...	0	1	0			
COAL, sandy	...	...	0	7				
Brown metal	...	...	0	2				
COAL	...	...	0	4		0	1	1
	...	...	0	1	1	4	2	6
Thill	...	...	0	2	11			
Grey metal	...	...	0	3	8			
Blue metal	...	...	0	1	7			
COAL	...	...	0	0	7	1	2	9
Thill	...	...	0	5	0			
Grey metal, mixed with whin layers	...	...	2	4	7			
White post with open gulleys and water	...	...	0	4	0			
Blue metal	...	...	0	0	6			
White post, with open gulleys and water	...	...	2	2	2			
Black cashy partings (bears the principal part of the water, as little comes out below here)	...	...	0	0	6			
Carried forward	...	...	9	2	11	29	5	9

Brought forward			Ft.	Pt.	In.
Grey metal	...	...	0	1	1
White post	...	...	0	1	4
Grey metal	...	...	2	1	5
COAL	...	...	0	2	5
Thill	...	...	0	2	8
Thilly grey metal	...	...	1	3	7
Blue metal	...	...	3	0	9
Grey metal and girdles	...	...	0	4	0
Blue metal	...	...	1	4	9
COAL	...	...	0	1	0
Thill	...	...	0	0	11
Grey metal, with post girdles and water	...	...	1	1	11
Black cashy parting	...	...	0	0	9
Grey post, mixed with grey metal	...	...	0	3	5
COAL	...	...	0	0	9
Thill	...	...	0	0	5
Grey metal	...	...	0	2	0
White post, with open gulleys and water	...	...	1	4	6
Blue metal, with ironstone girdles	...	...	1	5	6
Thill	...	...	0	3	8
Thilly grey metal	...	...	0	2	6
Grey post girdles	...	...	0	0	8
Dark blue stone	...	...	0	3	2
Grey post girdle	...	...	0	0	8
Grey metal, mixed with post girdles	...	...	2	2	0
COAL	...	...	0	1	1
Grey metal, with whin layers	...	...	2	4	0
Blue metal, mixed with coal	...	...	0	1	6
Grey post, mixed with whin layers	...	...	1	3	9
White post, mixed with whin	...	...	2	2	6
Strong grey metal	...	...	3	3	0
Blue metal, mixed with ironstone girdles	...	...	1	4	2
Three-Quarter Seam—					
COAL	...	...	0	8	
Brown metal	...	...	0	3	
COAL	...	...	1	0	
	...	...	0	1	11
Brown metal	...	...	0	0	1
Stone, mixed with coal	...	...	0	3	5
COAL, coarse	...	...	0	3	8
Carried forward	...	...	

* Approximate sea level (Ordnance datum).

No. 1,193.—HOWDON.—CONTINUED.

	Pt.	Pt.	In.	Pt.	Pt.	In.
Brought forward	8	4	0			
Gravelly clay	1	2	0			
Gravel, and water	0	3	0			
Gravelly clay	6	0	0			
Gravel, and clay,						
th water	2	0	0			
l and gravel, with						
water	3	4	6			
y metal	0	3	0			
COAL	0	2				
ey metal	0	2				
COAL	0	11				

	0	1	3			
				22	5	9
hill				0	4	0
Grey metal, with post				3	2	9
girdles and water						
Black stone, with				0	4	0
water				0	3	6
Blue stone, with water				0	5	6
Grey thill				4	5	6
Grey metal, with water						
Scamy grey post, with				5	2	0
water				10	4	0
White post, with water				0	4	0
Grey metal				1	1	0
White post				1	3	0
Grey metal				1	0	0
Black stone				0	5	0
Grey metal				3	1	0
Grey metal, with whin				0	2	0
girdles				0	5	0
Blue metal				7	5	0
Red metal				0	5	0
White post, with water				1	0	0
Red metal				0	4	6
Grey metal, with whin				0	1	6
girdles				1	2	6
Grey thill				0	4	0
Black stone						
Grey metal, with whin						
girdles						
Blue stone						
COAL				0	6	
Grey metal				1	6	
COAL				1	0	

— 0 3 0 — 49 5 9

Grey thill	0	1	0
Grey metal, with post	5	3	6
girdle	1	0	
Blue stone			
Grey metal, with whin	1		
girdles			

ward

	Pt.	Pt.	In.	Pt.	Pt.	In.
Brought forward	7	4	6	12	5	6
Blue metal, with whin				1	1	0
girdles						
Grey metal, with whin				1	2	0
girdles				0	1	6
Whin						
Grey metal, with post				0	4	0
girdles				0	2	4
Grey metal				0	1	2
COAL, mixed with						
black stone				1	3	0
Thill				0	3	0
Grey thill stone, with				0	4	0
whin girdles				1	3	0
Grey metal stone				1	1	0
Post, with whin girdles				1	4	0
Grey metal stone				0	2	0
Blue stone						
COAL, mixed with				0	1	2
black stone						

	0	1	2			
				6	0	2
Grey metal				1	4	0
White post				8	3	0
Grey metal				0	2	0
COAL				0	0	10
				10	3	10
Grey metal				1	2	0
Blue metal				0	4	0
				2	0	0

Grey metal stone	1	0	0
White post	9	1	0
Grey metal, with post			
girdles	0	3	0
White post, with water	2	0	0
Black stone	0	3	0
Blue stone	0	2	0
Scamy stone post	0	3	0
Blue stone	0	3	0
Grey metal	0	4	0
Black stone	0	2	6
Post and grey metal			
girdle	1	0	2
Dark blue metal gir-			
dles	2	3	0
COAL	0	0	4
			19 1 0

COAL	0	2	0	
Grey thill	0	2	0	
Grey post	10	0	0	
White post	0	4	0	
Grey metal stone	Coal	1	0	8
COAL—Main				
Seam				12 2 8

Total ... 134 5 8

No. 1,194.—HOWDON.

TOWNSHIP OF CLETON, NORTHUMBRIA.

Sheet 99 of Ordnance Map. Lat. . Long.

Bored in the Washing Dike Pit, near Howdon Pass. September 26th, 1851.

Approximate surface level Feet above sea (Ordnance datum).

From the top to the	Fa.	Pt.	In.	Fa.	Pt.	In.	Brought forward	Fa.	Pt.	In.	RR.
scaffold — — —				1	2	0	Blue and black metal	1	4	6	
Of bot — — —	11	0	0				Blue and black scamy				
Sand, with water — —	0	1	0				metal, with some				
Black stony clay — —	0	2	0				small girdles or				
Sand and gravelly clay	0	4	6				lumps — — —	2	4	6	
Sand and gravelly clay,							Black slaty metal —	0	1	0	
with water — — —	0	0	9				Black slaty metal,				
Sand and gravelly clay	0	2	6				mixed with coal —	0	0	4	
Sand and gravel — —	0	4	0				Black slaty metal —	0	2	6	
Stony clay — — —	0	1	0				Grey metal stone, with				
Broken red and brown							black scamy part-				
stone — — —	0	2	0				ings — — —	0	2	6	
Sand and gravel, with							Grey post — — —	0	4	6	
whin girdles or							Grey metal — — —	0	5	0	
lumps and water —	1	1	6				Grey metal, with				
Brown and grey							girdles or catheads	1	5	6	
roughly stone — —	0	1	0				Hard brown, grey, and				
Brown and grey							red scamy stone,				
roughly stone, with							with water — — —	0	1	6	
catheads — — —	1	0	0				Grey and brown scamy				
Soft blue and black							metal — — —	0	3	0	
slaty metal, with							Grey and brown scamy				
catheads or girdles							metal, with girdles	0	2	0	
and some small							Strong white post —	0	1	8	
scars of coal — —	2	0	0				Dun and red scamy				
Grey metal stone, with							whin — — —	0	1	0	30
girdles or lumps —	1	3	0								
Grey and white scamy				20	0	3	Strong dun grey stone	0	1	9	
post — — —	4	0	0				Strong white post —	0	2	0	
White post, with metal							Whin — — —	0	0	9	
partings and							Strong white post,				
water — — —	4	5	0				mixed with whin —	0	1	8	
White post — — —	0	5	0				Strong white post —	4	5	0	
White and grey post							White post, with gir-				
girdles, with metal							dles — — —	1	3	0	
partings — — —	1	1	9				A soft brown and red				
White post — — —	3	3	0				parting — — —	0	0	2	
A whin girdle — —	0	0	5				White post, with gir-				
A blue metal parting	0	0	6				dles — — —	0	3	0	
White post — — —	2	3	0				Grey, blue, and brown				
Strong post girdles,							scamy metal, scared				
with black scamy							with coal — — —	0	1	0	
partings — — —	0	4	6				Grey and brown				
Grey metal — — —	1	0	0				metal — — —	2	0		
Grey and black scamy							Grey and brown				
metal, with some							metal, with				
small girdles or							water — — —	6			
lumps — — —	0	5	0				metal — — —	0			
Carried forward	19	4	2	21							

No. 1,193.—HOWDON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	8	4	0				Brought forward	7	4	6	72	5	6
n gravelly clay...	1	2	0				Blue metal, with whin						
gravel, and water...	0	3	0				girdles ...	1	1	0			
gravelly clay ...	6	0	0				Grey metal, with whin						
gravel, and clay,							girdles ...	1	2	0			
h water ...	2	0	0								10	1	6
and gravel, with							Whin ...	0	1	6			
ter ...	3	4	6				Grey metal, with post						
metal ...	0	3	0				girdles ...	0	4	0			
	Ft.	In.					Grey metal ...	0	2	4			
AL ...	0	2					COAL, mixed with						
metal ...	0	2					black stone ...	0	1	2			
AL ...	0	11									1	3	0
	—	0	1	3			Thill ...	0	3	0			
				22	5	9	Grey thill stone, with						
							whin girdles ...	0	4	0			
metal, with post				0	4	0	Grey metal stone ...	1	3	0			
dles and water...	3	2	9				Post, with whin girdles	1	1	0			
stone, with							Grey metal stone ...	1	4	0			
ter ...	0	4	0				Blue stone ...	0	2	0			
stone, with water	0	3	6				COAL, mixed with						
thill ...	0	5	6				black stone ...	0	1	2			
metal, with water	4	5	6								6	0	2
y grey post, with							Grey metal ...	1	4	0			
ter ...	5	2	0				White post ...	8	3	0			
e post, with water	10	4	0				Grey metal ...	0	2	0			
metal ...	0	4	0				COAL ...	0	0	10			
e post ...	1	1	0								10	3	10
metal ...	1	3	0				Grey metal ...	1	2	0			
stone ...	1	0	0				Blue metal ...	0	4	0			
metal ...	0	5	0								2	0	0
metal, with whin							Grey metal stone ...	1	0	0			
dles ...	3	1	0				White post ...	9	1	0			
metal ...	0	2	0				Grey metal, with post						
metal ...	0	5	0				girdles ...	0	3	0			
e post, with water	7	5	0				White post, with water	2	0	0			
metal ...	0	5	0				Black stone ...	0	3	0			
metal, with whin							Blue stone ...	0	2	0			
dles ...	1	0	0				Seamy stone post ...	0	3	0			
thill ...	0	4	6				Blue stone ...	0	3	0			
stone ...	0	1	6				Grey metal ...	0	4	0			
metal, with whin							Black stone ...	0	2	6			
dles ...	1	2	6				Post and grey metal						
stone ...	0	4	0				girdle ...	1	0	2			
	Ft.	In.					Dark blue metal gir-						
AL ...	0	6					dles ...	2	3	0			
metal ...	1	6					COAL ...	0	0	4			
AL ...	1	0									19	1	0
	—	0	3	0			Grey thill ...	0	2	0			
				49	5	9	Grey post ...	0	2	0			
thill ...	0	1	0				White post ...	10	0	0			
metal, with post							Grey metal stone ...	0	4	0			
dles ...	5	3	6				COAL—Main Coal						
stone ...	1	0	0				Seam ...	1	0	8			
metal, with whin											12	2	8
dles ...	1	0	0										
Carried forward	7	4	6	72	5	6	Total ...				134	5	8

No. 1,194.—HOWDON.

TOWNSHIP OF CHIRTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. , Long.

Bored in the Washing Dike Pit, near Howdon Pans. September 24th, 1750.

Approximate surface level feet above sea (Ordnance datum).

	Fa.	Ft.	In.	Fa.	Ft.	In.		Fa.	Ft.	In.	Fa.	Ft.	In.	
From the top to the scaffold ...				1	3	0		Brought forward	19	4	2	21	3	3
Of box ...	11	0	0					Blue and black metal	1	4	6			
Sand, with water ...	0	1	0					Blue and black scamy metal, with some small girdles or lumps ...	2	4	6			
Black stony clay ...	0	3	0					Black slaty metal ...	0	1	0			
Sand and gravelly clay	0	4	6					Black slaty metal, mixed with coal ...	0	0	4			
Sand and gravelly clay, with water ...	0	0	9					Black slaty metal ...	0	2	6			
Sand and gravelly clay	0	2	6					Grey metal stone, with black scamy partings ...	0	2	6			
Sand and gravel ...	0	4	0					Grey post ...	0	4	6			
Stony clay ...	0	1	0					Grey metal ...	0	5	0			
Broken red and brown stone ...	0	2	0					Grey metal, with girdles or catheads	1	5	6			
Sand and gravel, with whin girdles or lumps and water ...	1	1	6					Hard brown, grey, and red scamy stone, with water ...	0	1	6			
Brown and grey ramby stone ...	0	1	0					Grey and brown scamy metal ...	0	3	0			
Brown and grey ramby stone, with catheads ...	1	0	0					Grey and brown scamy metal, with girdles	0	2	0			
Soft blue and black slaty metal, with catheads or girdles and some small scares of coal ...	2	0	0					Strong white post ...	0	1	8			
Grey metal stone, with girdles or lumps ...	1	3	0					Dun and red scamy whin ...	0	1	0			
				20	0	3						30	1	8
Grey and white scamy post ...	4	0	0					Strong dun grey stone	0	1	9			
White post, with metal partings and water ...	4	5	0					Strong white post ...	0	2	0			
White post ...	0	5	0					Whin ...	0	0	9			
White and grey post girdles, with metal partings ...	1	1	9					Strong white post, mixed with whin ...	0	1	8			
White post ...	3	3	0					Strong white post ...	4	5	0			
A whin girdle ...	0	0	5					White post, with girdles ...	1	3	0			
A blue metal parting	0	0	6					A soft brown and red parting ...	0	0	2			
White post ...	2	3	0					White post, with girdles ...	0	3	0			
Strong post girdles, with black scamy partings ...	0	4	6					Grey, blue, and brown scamy metal, scared with coal ...	0	1	0			
Grey metal ...	1	0	0					Grey and brown scamy metal ...	0	2	0			
Grey and black scamy metal, with some small girdles or lumps ...	0	5	0					Grey and brown scamy metal, with girdles and water ...	1	0	6			
Carried forward	19	4	2	21	3	3		Blue metal ...	1	1	0			
								Carried forward	10	3	10	51	4	11

No. 1,194.—HOWDON.—CONTINUED.

	Fa.	Ft.	In.	Fa.	Ft.	In.		Fa.	Ft.	In.	Fa.	Ft.	In.
Brought forward	10	3	10	51	4	11	Brought forward	3	1	0	68	5	10
Black slaty metal, with girdles or cat-heads ...	0	2	4				Grey metal ...	0	0	6			
Blue and grey metal, with girdles or cat-heads ...	1	4	0				Whin girdle, with water ...	0	0	4			
Blue and black metal, with girdles or cat-heads ...	0	2	6				Grey post ...	0	1	0			
COAL ...	0	0	7				Grey metal, with cat-heads ...	0	3	0			
Grey metal ...	0	0	5				Blue and black scamy metal, with some small scares of coal ...	0	1	0			
Black metal, with some small scares of coal ...	0	0	10				Grey metal, with girdles or catheads ...	0	4	0			
Blue grey metal ...	0	1	0				Grey metal stone, with girdles or catheads ...	1	2	4			
Black metal ...	0	0	4				Blue and black metal ...	0	0	8			
COAL ...	0	0	8	13	4	6	Grey metal, with post girdles ...	0	2	6			
Blue metal ...	0	0	6				Grey post ...	1	3	4			
Grey post ...	1	2	6				Grey and blue metal ...	0	1	6			
Grey metal stone ...	0	1	0										
Grey post girdles, with metal partings ...	0	2	0				COAL ...	Ft. In.					
Grey metal stone ...	1	2	0				Black metal, mixed with coal ...	0	8				
Whin ...	0	0	5	3	2	5	COAL ...	0	2				
Grey post girdle ...	0	0	6				Grey metal, scared with coal ...	0	5				
Grey metal stone, with girdles ...	1	0	0							0	1	6	
Grey post ...	0	2	0								8	4	8
Grey metal stone, with girdles ...	0	2	6				Grey metal ...	0	0	5			
Blue metal, with girdles or catheads ...	0	2	0				In grey metal, with girdles or catheads ...	1	0	0			
Blue metal, with black scames and girdles or catheads ...	1	0	0								1	0	5
Carried forward	3	1	0	68	5	10	Total ...				78	4	11

No. 1,195.—HOWNES GILL.

TOWNSHIP OF CONSID AND KNITSLEY, DURHAM.

Sheet 18 of Ordnance Map. Lat. , Long.

Account of Strata bored through on the Hownes Gill Royalty. August 7th, 1838.

Approximate surface level feet above sea (Ordnance datum).

	Fa.	Ft.	In.	Fa.	Ft.	In.		Fa.	Ft.	In.	Fa.	Ft.	In.
Strong blue clay ...	6	5	0				Brought forward	9	1	10			
Soft grey metal, with scares of coal ...	2	1	10				Soft grey metal with water ...	3	2	2			
Broken post ...	0	1	0				Brown post, with metal partings ...	1	2	6			
Carried forward	9	1	10				Carried forward	14	0	6			

No. 1,195.—HOWNES GILL.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	14	0	6				Brought forward	32	0	7			
Soft grey metal ...	0	1	6				Black metal, mixed						
Strong grey post ...	0	4	6				with coal ...	0	2	3			
Grey metal ...	0	4	2				Grey metal ...	0	3	8			
Strong white post,							Grey whin ...	0	3	1			
with metal partings							Blue metal ...	1	0	0			
and water ...	0	2	8				Grey metal ...	1	4	6			
Blue metal ...	1	3	2				Grey post, with metal						
Grey metal, with post							partings ...	1	2	6			
girdles ...	1	3	0				Grey metal ...	0	1	8			
Grey post ...	0	2	5				Grey post ...	1	5	8			
Dark grey metal ...	1	3	7				Blue metal, with post						
Grey post, with much							girdles ...	0	2	2			
water ...	6	5	8				COAL ...	0	0	3			
Soft grey metal ...	0	4	3								40	2	4
Grey post ...	1	3	8				Grey metal ...	0	1	10			
Blue metal, with post							Grey post ...	0	1	10			
girdles ...	1	3	6								0	3	8
Carried forward	32	0	7				Total ...				41	0	0

No. 1,196.—HUMBLETON HILL.

TOWNSHIP OF BISHOP WEARMOUTH, DURHAM.

Sheet 14 of Ordnance Map. Lat. 54° 53' 26", Long. 1° 24' 16".

*Strata sunk and bored through at Humbleton Hill, Sunderland Water Company.
December, 1848.*

Approximate surface level 200 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
<i>Sunk :—</i>							Brought forward	16	4	10	19	2	0
Soil ...	0	1	6				Yellow limestone, with						
Strong stony clay ...	2	0	6				water ...	8	2	0			
Yellow limestone, with							Strong brown lime-						
water in the bottom							stone ...	6	3	2			
9 feet ...	17	0	0				Yellow limestone ...	1	2	0			
				19	2	0	Strong brown lime-						
<i>Bored :—</i>							stone, with girdles	0	5	6			
Strong brown lime-							Yellow sand ...	0	0	6			
stone, with water ..	4	2	8				Dark metal stone ...	1	3	10			
White limestone ...	4	5	3				Yellow sand, with						
Brown limestone ...	3	4	0				much water 4 feet						
Very soft yellow lime-							from top ...	0	4	0			
stone ...	0	4	6				Brown sand, very						
Strong brown lime-	0	1	7				quick at the bottom						
stone ...	2	4	10			*	and much water ...	1	0	4			
											32	2	2
Carried forward	16	4	10	19	2	0	Total ...				51	4	2

* Approximate sea level (Ordnance datum).

No. 1,197.—HUNWICK.

TOWNSHIP OF HUNWICK AND HELMINGTON, DURHAM.

Sheet 34 of Ordnance Map. Lat. 54° 41' 14", Long. 1° 42' 17".

Boring at the East End of Hunwick Village.

Approximate surface level 436 feet above sea (Ordnance datum).

	Fa.	Ft.	In.	Fa.	Ft.	In.		Fa.	Ft.	In.	Fa.	Ft.	In.
Soil ...	0	1	6				Brought forward				22	0	5
Strong blue clay, with tumbling stones ...	3	3	6				Strong grey metal, with whin girdles...	3	1	9			
Grey metal, with post girdles and water...	1	2	8				COAL—5⁴ Seam ...	0	4	4			
Strong white post, with metal partings	1	5	6								4	0	1
Grey metal ...	0	1	8				Strong white post, and set away the water	7	2	8			
COAL ...	0	1	6				COAL , foul... ..	0	1	4			
				7	4	4					7	4	0
Grey metal ...	3	0	4				Strong grey metal, with post girdles...	2	1	7			
COAL ...	0	0	11				Grey metal ...	0	4	6			
				8	1	3	COAL ...	0	1	2			
Grey metal ...	2	0	10								3	1	3
COAL ...	0	0	6				Grey metal ...	0	4	7			
				2	1	4	COAL ...	0	0	9			
Grey metal ...	0	4	6								0	5	4
White post, with me- tal partings ...	1	3	4				Grey metal, with post girdles ...	0	4	11			
COAL , with water...	0	2	0				Strong white and grey post, with metal partings ...	4	1	3			
				2	3	10	Grey metal, with post girdles ...	1	1	0			
Grey metal ...	0	1	9				Black metal, with scares of coal ...	0	0	6			
White post, with water	1	4	8				COAL—Main Coal Seam ...	0	4	10			
Blue metal ...	0	1	6								7	0	6
COAL ...	0	1	3				Grey metal ...	1	0	0			
				2	3	2	Grey post ...	2	1	0			
Dark grey metal ...	0	3	0								3	1	0
COAL ...	0	0	9										
				0	3	9							
Grey metal ...	2	5	4										
COAL ...	0	1	5										
				3	0	9							
Carried forward	22	0	5				Total ...				*48	0	7

* Approximate sea level 147½ feet below this.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.
Soil, blue clay, and grey metal ...	5	3	2				White post, with water ...	2	2	6
Black stone and coal ...	0	1	11				Grey whin, set away the water with foul- ness ...	2	4	8
Sand ...	0	3	2				White post ...	0	0	11
Red marl ...	0	4	0				Dark grey metal, with water ...	0	4	10
Brown freestone ...	7	2	0				<i>Brockwell</i> ...	1	5	6
Grey metal ...	0	2	6				Black metal mixed with coal ...			
COAL ...	0	1	11	15	0	8	COAL , good ...			
							COAL , coarse or splint ...			
Grey metal, with post girdles ...	1	3	11							
COAL , with a band 2 inches thick ...	0	1	8	1	5	7				
Grey metal ...	0	2	0							
Black stone, mixed with coal ...	0	1	0							
Grey metal stone ...	1	5	6							
Carried forward	2	2	6				Grey metal thill			
							Total			

No. 1,200.—HUNWICK.

TOWNSHIP OF HUNWICK AND HELMINGTON, DURHAM.

Sheet 34 of Ordnance Map. Lat. , Long.

Strata sunk through at West Hunwick Colliery, No. 1 Shaft.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Yellow clay ...	0	2	0				Brought forward	5	1	6	12	0	6
Strong blue clay, with stones ...	6	1	6				White post ...	3	3	0			
Loamy clay ...	1	3	0				Brown post ...	1	3	0			
Blue metal ...	2	0	0				COAL ...	0	1	4			
COAL ...	0	0	2				Seggar clay ...	0	2	4			
Seggar clay ...	0	2	10				Blue metal ...	1	0	0			
Post ...	0	3	0										
Blue metal ...	0	3	0				<i>Lower Busty Seam—</i>						
COAL—Top Busty or 5,4 Seam ...	0	3	0				COAL ...	Ft.	In.				
				12	0	6	Seggar clay..	2	8				
Seggar clay ...	0	3	0				COAL ...	1	8				
Brown post ...	4	4	6							0	5	8	
Carried forward	5	1	6	12	0	6	Total ...				12	4	10
											24	5	4

No. 1,201.—HUNWICK.

TOWNSHIP OF HUNWICK AND HELMINGTON, DURHAM.

Sheet 34 of Ordnance Map. Lat. , Long.

Strata bored through in Hunwick Estate, in a Field adjoining the River Wear, on the North side, 60 yards West of Gibson's Ovens.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward	4	3	0	12	2	11
Sand ...	0	3	0				Grey metal, with post girdles ...	0	3	0			
Gravel ...	1	1	0				COAL ...	0	1	0			
Brown stony clay ...	6	1	0								5	1	0
Brown post ...	3	0	0				Black metal ...	0	0	10			
Grey metal ...	1	1	5				Grey metal ...	0	3	0			
COAL ...	0	1	6				Grey post, mixed with metal ...	1	3	0			
				12	2	11	Dark metal, with a sipping of water ...	0	2	11			
Grey metal ...	2	0	10				<i>Brockwell Seam—</i>						
COAL ...	0	1	1				COAL ...	Ft.	In.				
Grey metal ...	0	3	4				Splint ...	4	1				
Dark metal ...	0	0	6							0	4	6	
COAL ...	0	0	8								3	2	3
Grey metal ...	0	1	1				Grey metal and post girdles ...				0	3	0
COAL ...	0	0	6								21	3	2
Grey metal ...	0	4	0				Total ...						
Dark metal ...	0	3	0										

No. 1,302.—HUNWICK.

TOWNSHIP OF HUNWICK AND HELMINGTON, DURHAM.

Sheet 34 of Ordnance Map. Lat. 54° 42' 22", Long. 1° 42' 28".

Strata sunk through at Gibson Pit, Hunwick Colliery.

Approximate surface level 250 feet above sea (Ordnance datum).

	Ft.	Ft.	In.	Ft.	Ft.	In.		Ft.	Ft.	In.	Ft.	Ft.	In.
Outlet	1	0	0				Brought forward				12	0	0
Soil	0	0	6				Strong freestone	4	3	0			
Clay, with sandy part- ings	4	0	0				Blue stone	3	2	10			
Sand, with a sipping of water	1	2	0				Strong grey post	4	3	0			
Strong blue gravelly clay	4	0	0				Blue stone	1	2	0			
Yellow freestone ...	1	3	0				COAL — Brackwell Seam or Main Coal	0	4	8	14	3	6
COAL—5/4 Seam ...	0	0	6	12	0	0	Grey post	0	4	0			
							Grey metal, with post girdles	0	3	0			
							Strong white post	0	4	0	1	5	0
Carried forward	12	0	0				Total				28	2	6

* Approximate sea level 79½ feet below this.

No. 1,203.—HUNWICK.

TOWNSHIP OF HUNWICK AND HELMINGTON, DURHAM.

Sheet 34 of Ordnance Map. Lat. 54° 41' 30", Long. 1° 42' 0".

Section of New Hunwick Shaft, belonging to Mr. Parker Booth. Commenced November 27th, 1854.

Approximate surface level 340 feet above sea (Ordnance datum).

	Ft.	Ft.	In.	Ft.	Ft.	In.		Ft.	Ft.	In.	Ft.	Ft.	In.
Brown soil	0	0	9				Brought forward						
Yellow clay	0	2	0				COAL						
Blue clay	4	1	3				Band						
Fire clay	0	2	0				COAL						
COAL	0	0	1	5	0	1							
Fire clay	0	2	1				Fire clay						
Post girdle	0	0	7				Grey shale, girdles						
Rubble sandstone ...	0	2	8										
Brown sandstone ...	1	5	2				Carried forward						
Grey shale	0	0	6										
Carried forward	2	5	0	5	0	1							

No. 1,203.—HUNWICK.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Brought forward	1	3	8	8	0	7½		Brought forward	3	2	3	18	1	11
shale ...	0	2	6					Brown sandstone ...	4	0	5			
AL ...	0	0	9					Hard sandstone ...	0	3	10			
				2	0	11		Brown sandstone ...	1	4	7			
stone, or strong								COAL ...	0	1	4			
clay ...	0	1	10								10	0	5	
post girdle ...	0	0	11					Fire clay ...	0	1	5			
stone girdle ...	0	0	3					Blue shale ...	0	5	4			
e ...	0	1	9					COAL ...	0	1	0			
AL ...	0	0	5					Fire clay ...	0	3	5			
				0	5	2		COAL ...	0	1	3			
clay ...	0	3	0								2	0	5	
shale ...	2	2	6					Fire clay ...	0	1	3			
k shale ...	0	1	4					Blue shale ...	0	1	6			
AL ...	0	1	6½					Hard grey sandstone	0	4	0			
				3	2	4½		White sandstone ...	1	2	4			
clay ...	0	3	5					Hard grey sandstone	0	1	8			
wn sandstone ...	2	2	0					White sandstone ...	4	2	0			
wn shale ...	0	2	7					Blue shale ...	0	2	7			
AL, foul, Ft. In.								Main Coal or Brock-						
cannel ...	0	8						well Seam— Ft. In.						
stone band	0	2						COAL ...	0	2				
AL ...	2	0						Black stone	0	9				
				0	2	10		COAL ...	4	3				
				3	4	10		Splint ...	0	4				
sandstone ...	0	1	10								0	5	6	
te sandstone ...	3	0	5										8	2
													10	
Carried forward	3	2	3	18	1	11		Total ...			*38	5	7	

* Approximate sea level 106½ feet below this.

No. 1,204.—HYLTON.

TOWNSHIP OF HYLTON, DURHAM.

Sheet 8 of Ordnance Map. Lat. , Long.

ccount of a Boring in the Hylton Grounds, near the Wear side, about three miles from Fulwell. July 21st, 1740.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
and gravel ...	1	0	0				Brought forward	2	2	0			
ren grey and							Grey and white post,						
own post on one							with grey scamy						
le, and clay on the							partings ...	1	0	0			
her side, with							Strong white post ...	0	0	6			
ater ...	1	2	0				Grey metal ...	1	0	0			
Carried forward	2	2	0				Carried forward	4	2	6			

No. 1,204.—HYLTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Brought forward	3	4	0	52	1	5		Brought forward	1	0	2	61	1	4
Blue metal, with girdles and catheads...	0	1	8					White and grey scamy post, with water ...	2	0	0			
Black metal ...	0	1	6					Black metal ...	0	1	2			
COAL, foul...	0	0	8					COAL, foul...	0	1	6			
				4	1	10						3	2	10
Blue metal, with girdles and catheads...	2	0	0					Grey metal stone ...	0	3	0			
Grey metal stone ...	2	2	0					Grey scamy post girdles, with metal partings ...	2	0	0			
								Blue and black metal, with girdles or catheads ...	1	3	0			
COAL ...	0	9						Jet or black slate ...	0	0	6			
Soft metal ...	0	1						COAL ...	0	0	8			
COAL, with water ...	1	3										4	1	2
				0	2	1		Black metal ...	0	1	0			
								In grey metal ...	0	0	8			
Black metal ...	0	0	2									0	1	8
Grey metal, with girdles or catheads ...	1	0	0					Total ...				69	1	0
Carried forward	1	0	2	61	1	4								

No. 1,205.—INKERMANN.

TOWNSHIP OF BUTSFIELD (DETACHED NO. 12), DURHAM.

Sheet 25 of Ordnance Map. Lat. 54° 46' 7", Long. 1° 48' 32".

Section of Strata sunk through at Inkermann Colliery, Dan's Castle Royalty. 1873.

Approximate surface level 925 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Outset ...	0	2	0				Brought forward	7	1	8			
Clay ...	3	3	0				Seggar clay ...	0	5	0			
Blue metal ...	0	3	0				Blue metal ...	1	1	0			
Post ...	0	3	0				Brown whin ...	0	3	0			
Blue metal ...	0	1	0				Post ...	0	3	0			
Post ...	0	3	0				Grey post ...	0	1	2			
COAL—Ballarat or Little Coal Seam...	0	2	2				Blue metal ...	2	4	6			
				5	5	2	COAL—Cannel Coal	0	0	11			
Seggar clay ...	0	2	0								6	0	7
Strong post ...	0	1	0				Grey metal ...	1	2	0			
Black thill ...	0	2	0				Post ...	0	2	0			
COAL—5/4 Seam ...	0	3	6				Light brown whin ...	0	2	0			
				1	2	6	Grey metal ...	0	2	0			
Carried forward				7	1	8	Carried forward	2	2	0	13	2	3

No. 1,205.—INKERMANN.—CONTINUED.*

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	2	2	0	13	2	3	Brought forward	7	0	6	13	2	3
Leafy post ...	...	1	4	0			<i>Main Coal (or Brockwell) Seam—</i>						
Blue metal ...	...	0	3	6									
Post ...	...	0	2	0									
Grey metal ...	...	0	5	0			COAL ...						
Blue metal ...	...	1	2	0			Seggar band	0	6				
							COAL ...	3	6				
										1	0	7	
												8	1
Carried forward	7	0	6	13	2	3	Total ...					*21	3

* Approximate sea level 795½ feet below this.

No. 1,206.—IVESTON.

TOWNSHIP OF IVESTON, DURHAM.

Sheet 11 of Ordnance Map. Lat. _____, Long. _____

Strata sunk through at Sunnyside Pumping Engine Shaft, Iveston Colliery. 1866.

Approximate surface level _____ feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward				17	3	4
Clay ...	3	4	4				Brassy thill ...	0	0	4			
Gravel and sand ...	0	5	4				Strong grey metal						
Shelly post, with metal							stone ...	0	3	0			
partings ...	5	2	0				Dark metal ...	0	1	5			
Dark metal, with iron							Post and whin ...	0	1	11			
bands ...	2	3	0				Light metal ...	0	5	8			
COAL ...	0	0	7				Dark metal ...	0	0	7			
				12	4	3	COAL—Hodge Seam	0	0	4			
Thill stone ...	0	1	10								2	1	3
White post, with water	0	5	8				Thill stone ...	1	5	0			
Light grey metal ...	0	1	10				Black stone ...	0	0	6			
Dark grey metal, with							Thill stone ...	0	4	2			
iron bands...	0	3	10				Post, with whin and						
COAL, bad ...	0	1	5				water ...	0	2	10			
				2	2	7	Tilly Seam—						
Thill stone ...	0	2	7				COAL ...	0	11				
Strong grey post, with							Seggar band	1	8				
water ...	0	3	8				COAL ...	0	7				
Grey metal stone ...	0	2	11							0	3	2	
Dark metal, with iron											3	3	8
bands ...	0	3	2				Thill stone ...	0	3	4			
COAL—No. 1 (or							Black stone ...	0	0	11			
Towneley) Seam ...	0	2	2				Thill stone ...	0	2	8			
				2	2	6	Post, with whin and						
							water ...	2	1	0			
Carried forward				17	3	4	Carried forward	3	1	11	23	2	3

No. 1,206.—IVESTON.—CONTINUED.

Brought forward		Fa.	Ft.	In.	Fa.	Ft.	In.
		3	1	11	23	2	3
<i>Hand Coal—</i>							
	Ft. In.						
COAL	... 0 4						
Band	... 0 4						
COAL	... 0 6						
	—	0	1	2			
					3	3	1
Seggar, good light							
colour, with no iron							
balls	... 0 2 6						
Dark grey metal	... 1 0 0						
Light metal	... 3 0 0						
Post girdle	... 0 2 0						
<i>Busty Bank Seam—</i>							
	Ft. In.						
COAL, top...	1 2						
Seggar, good,							
with no iron							
balls	... 3 0						
COAL	... 0 3						
Dark metal,							
with post							
girdles	... 6 7						
COAL, bot-							
tom	... 2 4						
	—	2	1	4			
					6	5	10
Black stone	... 0 0 8						
COAL	... 0 0 3						
Black stone	... 0 0 9						
COAL	... 0 0 2						
	—				0	1	10
Black stone (bottom							
of West Drift)	... 0 0 8						
Light seggar	... 0 2 6						
Light grey metal	... 1 0 7						
Post	... 0 4 0						
Post, with metal part-							
ings	... 2 0 0						
Metal, with post gir-							
dles	... 0 5 10						
Post, with water	... 1 1 2						
Strong brown post	... 0 5 5						
Grey metal	... 0 3 3						
Strong post, with							
water	... 1 0 10						
Grey metal	... 0 1 1						
Carried forward		9	1	4	34	1	0
<i>Three-Quarter Seam—</i>							
	Ft. In.						
COAL	... 0 2½						
Black stone,							
mixed with							
coal	... 0 11½						
	—	0	1	2			
					9	2	6
Dark grey metal	... 0 5 8						
Whin, with water	... 0 3 2						
Dark metal	... 2 2 0						
Whin girdle	... 0 0 6						
Metal	... 0 0 8						
COAL	... 0 0 5						
	—				4	0	5
Dark metal	... 0 3 0						
Brown post, with part-							
ings	... 0 4 3						
Dark metal, with iron-							
stone	... 0 5 6						
Whin girdle	... 0 0 7						
Grey metal	... 0 3 0						
Post, with metal part-							
ings	... 0 3 4						
Sand and water	... 0 0 5						
COAL—Brockwell							
Seam	... 0 1 1						
	—				3	3	2
Thill stone	... 0 0 4						
Post	... 0 1 8						
Dark metal, with iron-							
stone	... 0 2 0						
Post, with metal part-							
ings	... 0 3 0						
Dark metal, with iron							
balls	... 0 4 7						
Post, with metal part-							
ings	... 1 0 10						
Strong post	... 0 5 0						
Metal	... 0 2 0						
COAL	... 0 0 4						
	—				4	1	9
Black stone	... 0 0 5						
Dark metal	... 0 2 4						
Sandy post	... 0 2 10						
Dark metal	... 1 1 0						
Black stone	... 0 1 4						
Grey metal	... 0 4 3						
	—				3	0	2
Total					58	3	0

No. 1,207.—JARROW.

TOWNSHIP OF HEDWORTH, MONKTON, AND JARROW, DURHAM.

Sheet 3 of Ordnance Map. Lat. 54° 58' 57", Long. 1° 28' 56".

*An Account of Strata sunk through from the High Main to the Low Main, in the
E or Deep Pit, Jarrow Colliery. September, 1821.*

Approximate surface level 55 feet above sea (Ordnance datum).

	Fa.	Ft.	In.	Fa.	Ft.	In.		Fa.	Ft.	In.	Fa.	Ft.	In.
From surface to High Main (including 3 fathoms of outcrop)	9 1 0			121 5 0				Brought forward	5	2	0	162	3 6
Blue metal stone ...	4	0	0					Blue stone ...	0	2	0		
White post ...	9	0	0					Ironstone girdle ...	0	0	4		
COAL—Metal Coal Seam ...	0	3	0					Grey metal and post girdles ...	0	4	8		
				13	3	0		Ironstone girdles ...	0	0	3		
Blue metal stone and post girdles ...	3	5	0					Blue metal ...	0	0	9		
Blue metal ...	1	0	0					Girdle ...	0	0	4		
Blue metal and post girdles ...	0	4	0					Blue metal ...	0	0	8		
Black stone and coal—Stone Coal Seam ...	0	0	6					Girdle ...	0	0	2		
				5	3	6		Blue metal ...	0	2	10		
Blue metal and post girdles ...	0	5	4					Blue metal and post girdle ...	0	5	6		
Black slate ...	0	0	8					Post girdle ...	0	0	6		
Post mixture ...	1	1	0					Grey metal ...	1	2	0		
Grey metal ...	1	2	0					Ironstone ...	0	1	0		
Blue metal ...	0	5	0					Blue metal and girdle ...	0	5	3		
Grey metal ...	1	3	6					Post girdle ...	0	0	3		
Black stone and coal	1	0	0					Blue metal ...	1	1	0		
Whin girdle ...	0	1	0					COAL—Bensham Seam ...	1	0	0		
Grey metal ...	0	3	6									12	5 6
Blue metal ...	1	4	6					Grey metal and post girdles ...	2	1	6		
Grey metal ...	0	1	0					Black metal ...	2	0	6		
Post mixture and whin girdles ...	2	0	6					Six-Quarter Seam—COAL ...	0	1	3		
Blue metal and post girdles ...	0	2	0									4	3 3
COAL—Yard Seam ...	0	3	0					Blue metal and post girdles ...	1	5	4		
				12	3	0		COAL ...	0	2	0		
Metal and post girdles	1	1	0									2	1 4
Black stone ...	0	1	0					Blue metal ...	1	0	6		
Strong blue metal ...	0	2	9					Grey metal ...	1	3	10		
Ironstone ...	0	0	3					COAL—5,4 Seam ...	0	3	0		
Strong blue metal ...	1	1	0									3	1 4
Strong blue metal and post girdles ...	1	3	6					Grey metal and post	1	0	0		
Strong post girdles ...	0	1	6					Post ...	5	0	0		
Blue metal ...	0	2	4					Black stone ...	0	4	2		
Ironstone girdle ...	0	0	8					COAL—Low Main Seam ...	0	5	0		
Carried forward	5	2	0	162	3 6							7	3 2

198

* Approximate sea level (0)

NOTE.—The Oval Pit was sunk from the High Main being similar to that in tl.

No. 1,208.—JARROW.

TOWNSHIP OF HEDWORTH, MONKTON, AND JARROW, DURHAM.

Sheet 3 of Ordnance Map. Lat. 54° 58' 57", Long. 1° 28' 26".

*Boring in the Stone Drift, at Jarrow Colliery, East from the Shaft about 600 yards.
September, 1809.*

Approximate surface level at top of pit 55 feet above sea (Ordnance datum).

	Fa.	Ft.	In.	Fa.	Ft.	In.		Fa.	Ft.	In.	Fa.	Ft.	In.
Strong coarse gravelly post ...	1	0	0				Brought forward				9	3	9
Strong white post ...	1	0	0				Grey metal ...	0	0	10			
Black stone, mixed with coal ...	0	0	6				Strong white post, mixed with whin in several places, and water ...	6	5	2			
Grey metal stone ...	0	3	0										
Strong grey post ...	0	2	0										
Strong grey post, mixed with whin ...	0	2	0				COAL						
Grey metal stone, with girdles ...	1	2	3				Ft. In.						
Black stone ...	0	4	0				... 1 10						
Grey metal stone ...	0	2	9				Blue grey metal 0 2½						
Grey scamy post ...	1	1	6				COAL ... 0 9						
Blue and black metal	2	2	0				Slaty lump or band ... 0 1						
COAL ...	0	0	8				COAL ... 2 8½						
Black slate, mixed with coal ...	0	1	1				— 0 5 7						
											7	5	7
							Strong grey metal stone ...				0	0	10
Carried forward													

No. 1,209.—JARROW.

TOWNSHIP OF HEDWORTH, MONKTON, AND JARROW, DURHAM.

Sheet 3 of Ordnance Map. Lat. 54° 58' 57", Long. 1° 28' 28".

Bored in the second hole in the Stone Drift, at Jarrow, 50 yards West from the first hole. October. 1810.

Approximate surface level at top of pit 55 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Strong white post, mixed with whin ...	3	0	6				Brought forward	6	1	8			
Grey metal stone ...	0	4	0				Strong metal stone, with hard whin lumps ...	1	0	0			
Strong white post ...	2	0	0				Soft black stone ...	0	1	6			
COAL ...	0	0	2				Strong metal stone, with whin lumps ...	2	3	0			
Soft black grey metal	0	3	0										
Carried forward	6	1	8				Carried forward	10	0	2			

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No. 39.—ARROW.—CONTINUED.

	Pt.	Pt.	Ln.	Pt.	Pt.
Brought forward	12	4	10		
White post	5	2	0		
COAL	0	1	3		
In grey metal stone				19	2 1
				1	0 0
Total				19	2 1

No. 40.—KSROND.

TERRACE OF QUARTZITE, MURCHIE MOUNTAIN.

Lat. 4° 4' 30" N. Long. 1° 35' 36" E.

Made and sent to the J. P. Murchie Collection, May, 1925.

Approximate surface level 20 feet above sea (Ordinance datum).

	Pt.	Pt.	Ln.	Pt.	Pt.	Ln.
Brought forward				27	3	0½
Soft metal stone	0	3	0			
Grey metal stone	1	0	11			
COAL	0	0	7			
				1	4	6
Soft metal stone	0	2	11			
Grey metal stone	0	2	3			
Pink gravel	0	1	6			
Metal stone	0	3	2			
White post	0	5	8			
Grey metal stone	0	2	1			
Dark metal	0	5	11			
Grey metal stone	0	3	6			
Pink gravel, with						
metal partings	0	2	9			
Grey metal stone	2	5	1			
				7	4	10
Black stone	2	2	1			
White post	1	4	2½			
Black stone	1	4	5			
Pink gravel and metal						
stone	1	1	4			
COAL and black						
stone	0	0	11			
				3	1	10½
Brought forward				27	3	0½
Total				87	0	4½

* Approximate sea

(datum).

No. 1,211.—JESMOND.

TOWNSHIP OF JESMOND, NORTHUMBERLAND.

Sheet 97 of Ordnance Map. Lat. 54° 59' 22", Long. 1° 35' 57".

Sunk and bored at the Middle Pit, Jesmond Colliery, from Thill of High Main Seam.

Approximate surface level 165 feet above sea (Ordnance datum).

	Ft.	Ft.	In.	Ft.	Ft.	In.		Ft.	Ft.	In.	Ft.	Ft.	In.	
Sunk to the <i>High</i>				27	3	0		Brought forward	3	1	2	60	0	0
<i>Main Seam</i> ...				10	3	0		Grey post girdle ...	0	1	0			
Further to the <i>Metal</i>								Grey and dark metal						
<i>Coal Seams</i> ...	5	3	0					stone, with post						
Thill ...	2	0	0					girdles ...	3	5	1			
Grey metal stone ...	0	1	0					Soft grey metal ...	0	0	7			
Grey metal stone, with								<i>Bensham Seam—</i>						
post girdles ...	0	2	7					<i>Ft. In.</i>						
Strong white post,								COAL, with						
with thin partings	0	3	9					water, rather						
Grey metal stone ...	0	4	8					tender, and						
COAL ...	0	0	7					foul 4 inches						
				9	3	7		at bottom ...	2	2				
Black stone ...	0	0	9					COAL, foul... 0 8						
Grey metal ...	0	0	6						0	2	10			
Grey metal stone ...	1	1	2									7	4	8
Dark grey metal ...	0	0	9					Sunk ...				67	4	8
COAL ...	0	0	3											
				1	3	5								
Grey metal and metal								<i>Bored from thill of</i>						
stone, with post								<i>Bensham Seam—</i>						
girdles ...	5	1	0					Cut through scaffold						
Dark metal ...	0	0	3					for box, etc. ...	0	4	0			
COAL, with foul								Strong white post,						
bands— <i>Yard Seams</i>	0	1	8					with whin girdles						
				5	2	11		and metal partings,						
Grey metal ...	0	1	0					at 3 fathoms water						
Dark metal ...	0	0	6					at bottom ...	6	4	0			
COAL ...	0	0	2					Black slaty metal,						
				0	1	8		scared with coal ...	0	0	6			
Black metal ...	0	0	3						7	2	6			
Grey metal stone, with								Grey metal ...	0	2	6			
post girdles ...	0	5	2					Strong grey metal						
Strong white post ...	1	4	6					stone ...	3	4	3			
Grey metal stone, with								White and grey post,						
post girdles ...	2	0	9					with scared partings	7	1	6			
								Whin and a mixture						
COAL ...	0	6						of whin and white						
Grey metal ...	0	5						post, with a metal						
COAL ...	0	10						parting of 4 inches						
				0	1	9		at 2 feet 6 inches						
				5	0	5		from top (got June						
Grey metal and metal								19th, through July						
stone ...	0	4	0					3rd, 38 shifts) ...	2	0	8			
Strong white post ...	1	2	0					COAL ...	0	0	4			
Grey metal stone ...	0	5	0									13	3	3
Darkish metal ...	0	2	2					Blue grey metal ...	0	1	11			
Carried forward	3	1	2	60	0	0		Carried forward	0	1	11	88	4	5

...ate sea level (Ordnance datum).

Approximate sea level (Ordnance datum).

No. 1,211.—JESMOND.—CONTINUED.

Brought forward						Brought forward					
Pa. Ft. In. Pa. Ft. In.						Pa. Ft. In. Pa. Ft. In.					
0 1 11 88 4 5						4 2 6 90					
<i>Low Main Seam—</i>											
Pt. In.											
COAL, with						Grey metal stone and					
water, rather						post girdles					
tender, and						0 4 9					
burns to a						White and grey post,					
white ash						mixed with whin					
3 5						and sulphur near					
COAL, foul,						bottom					
and slaty metal						0 4 11					
1 3						Whin (got July 16th,					
COAL, wet,						through 18th, 6					
and burns to						shifts)					
a white ash						0 0 7					
2 5						Grey metal stone, with					
1 1 1						post girdles					
1 3 0						2 3 0					
Dark grey metal (9						Strong white post and					
inches) and metal						metal stone parting					
stone with post gir-						1 5 5					
dles afterwards						Grey and dark grey					
3 0 7						metal stone, with					
Mixture of whin and						post girdles					
white post (from						1 5 2					
July 9th to 11th,						Strong white and grey					
5 shifts)						post					
0 2 0						0 5 0					
Grey metal stone, with						Grey metal stone, with					
post girdles						post girdles					
0 4 9						0 3 6					
Whin (got July 12th,						Strong white and grey					
through 14th, 4						post					
shifts)						0 5 3					
0 1 2						14					
Carried forward						Total					
4 2 6 90 1 5						104					

No. 1,212.—JOB'S HILL.

TOWNSHIP OF HELMINGTON ROW, DURHAM.

Sheet 34 of Ordnance Map. Lat. 54° 42' 49", Long. 1° 43' 46".

Section of Strata sunk through to Main Coal Seam, at Job's Hill Colliery.

Approximate surface level 600 feet above sea (Ordnance datum).

Soil and outset						Brought forward					
Pa. Ft. In. Pa. Ft. In.						Pa. Ft. In. Pa. Ft. In.					
0 4 0						3 3 0					
Clay, mixed with sand						Soft grey metal, with					
1 5 0						post girdles					
Sand, with gravel and						1 2 3					
water						Carried forward					
1 0 0						4 5 3					
Carried forward											
3 3 0											

No. 1,212.—JOB'S HILL.—CONTINUED.

	Ft.	Ft.	In.	Ft.	Ft.	In.		Ft.	Ft.	In.	Ft.	Ft.	In.
Brought forward	4	5	3				Brought forward	0	4	10	20	1	0
Strong post, with me- tal partings ...	1	0	4				Blue metal, with gir- dles ...	1	4	0			
Soft grey metal ...	0	4	0				Dark grey metal stone ...	2	0	0			
COAL ...	0	0	9				Strong post girdle ...	0	0	8			
				6	4	4	Metal stone ...	0	0	6			
Grey metal, with post girdles ...	1	3	0				Strong post girdle ...	0	0	8			
Strong post ...	1	0	0				Blue metal stone ...	0	3	10			
Blue metal ...	0	1	8										
Ironstone girdles ...	0	0	1½				<i>Harvey Seam—</i>						
Blue metal ...	0	1	8				COAL, tender	0	9				
Ironstone girdles ...	0	0	1½				Band ...	0	2				
Blue metal ...	0	1	4				COAL ...	2	1				
Ironstone girdles ...	0	0	1½							0	3	0	
Blue metal ...	0	0	7								5	5	6
Ironstone girdle ...	0	0	2½				Grey metal and girdles	1	3	0			
Blue metal ...	0	0	8				COAL ...	0	0	1			
Ironstone ...	0	0	1½				Grey metal ...	0	3	0			
Blue metal ...	0	1	0				Strong post, with metal partings ...	3	5	2			
Ironstone ...	0	0	2				COAL ...	0	1	0			
Blue metal ...	0	0	11								6	0	8
Ironstone ...	0	0	1½				Strong post girdles, with metal partings	2	5	6			
Blue metal ...	0	3	3				Grey metal ...	0	1	0			
Ironstone ...	0	0	1				COAL—5¼ or Busty Seam ...	0	3	0			
Blue metal ...	0	1	9								3	3	6
Ironstone ...	0	0	4				Fire stone ...	0	1	0			
Blue metal, with iron balls ...	1	1	0				Strong post ...	6	4	6			
Blue metal ...	0	3	6										
COAL ...	0	0	6				<i>Top or B Seam—</i>						
				6	4	3	COAL ...	2	0				
Grey blue stone ...	0	4	0				Grey metal ...	4	10				
Grey blue stone, with coal pipes and water	0	0	6				COAL ...	1	4				
Strong grey metal, with water ...	0	4	6							1	2	2	
Strong post, with whin ...	1	4	6								8	1	8
Grey metal stone ...	0	5	0				Blue metal ...	2	0	0			
Fire clay ...	0	0	8				Post ...	8	0	1			
COAL, good ...	0	1	11										
				4	3	1	<i>Main Coal or Brock- well Seam—</i>						
Fire clay ...	0	2	6				COAL ...	4	1				
Strong post, with whin	0	2	6				Splint ...	0	2				
Blue metal stone ...	1	2	2							0	4	3	
COAL ...	0	0	2								10	4	4
				2	1	4							
Grey metal stone ...	0	4	0				Total ...						
Ironstone, not good ...	0	0	10										
Carried forward	0	4	10	20	1	0							

* Approximate sea level 271½ feet below this.

No. 1372—KELLY.

EXPENDITURE OF KELLY, DECEMBER.

Sheet 16 of Ordnance Map. Lat. . Long.

Based at Kellie, on the Bank Side, near to and opposite the Church. 175.

Approximate surface level. See above and (Ordnance datum).

	Rt.	Pt.	In.	Rt.	Pt.	In.		Rt.	Pt.	In.	Pt.	In.			
Soil and clay ..	0	5	0				Brought forward	14	0	0	23	0	0		
Bevy's limestone, with soft partings and some fissures of water ..	14	1	4				Three-Quarter Seams—								
Blue limestone ..	1	2	0				COAL, hard,								
Blue metal stone, with hard girdles or lumps ..	0	3	0				fuel, spiny	1	0						
Wain ..	0	1	10				Grey metal								
White metal ..	0	4	0				with scales								
Grey metal, with red scum ..	5	0	8				of coal ..	0	7						
COAL, fuel ..	0	0	6				COAL ..	0	7						
							Grey metal ..	1	3						
							COAL, fuel ..	0	7						
										0	4	0			
												14	4	0	
							Grey metal, scored								
Grey metal, with hard lumps ..	2	3	0				with coal ..	0	1	1					
Strong grey metal stone ..	0	3	0				Black stone, mixed								
Strong white post, mixed with white ..	1	0	6				with coal ..	0	1	7					
Strong grey metal ..	5	4	6										0	2	8
Strong grey post, mixed with white ..	1	3	0				COAL, coarse—Five- Quarter Seams ..	0	3	7					
with water at top ..	1	3	0				In grey metal stone ..	1	2	3					
Grey metal stone, with post girdles ..	2	4	0										1	5	10
Carried forward	14	0	0	23	0	0	Total ..						40	0	6

No. 1,214.—KELLOE.

TOWNSHIP OF KELLOE, DURHAM.

Sheet 27 of Ordnance Map. Lat. _____, Long. _____

ount of a Boring in Kelloe Estate, in the third Field on the left hand side of the
Lane leading from Kelloe to Cassop Hill.

Approximate surface level feet above sea (Ordnance datum).

	Ft.	Ft.	In.	Ft.	Ft.	In.		Ft.	Ft.	In.	Ft.	Ft.	In.
marly limestone	5	0	0				Brought forward	22	2	9	30	3	3
g brown lime-							<i>Three-Quarter Seam—</i>						
ie, with water at							Black stone,						
fathoms 4 feet							scared with	Ft.	In.				
n the surface ...	17	3	0				coal ...	2	0				
				22	3	0	COAL ...	0	8				
metal ...	0	3	7				Grey metal ...	0	5				
... ..	0	1	0				COAL, foul	0	1				
metal stone ...	0	4	5				Grey metal,						
metal ...	0	1	0				scared with						
nd blue metal...	0	1	6				coal ...	0	10				
metal ...	1	5	9				COAL ...	0	5				
metal ...	1	2	0				Grey metal ...	0	2				
g grey metal							COAL, foul	0	7				
ie and post gir-							Grey metal ...	0	10				
...	2	2	5				COAL ...	1	1				
...	0	2	7							1	1	1	
				8	0	3						23	3
metal stone ...	0	4	0				Grey metal ...	0	0	1			
metal ...	0	0	3				Black metal ...	0	0	5			
g grey metal							COAL—5/4 Seam ...	0	3	9			
ne, with post											0	4	3
iles ...	14	4	6				Black metal stone,						
g white post ...	3	0	0				mixed with <i>splinty</i>						
metal ...	0	0	6				coal ...	0	1	5			
g white post ...	2	0	0				Grey metal (left off						
metal ...	0	3	0				April, 1837)	0	1	6			
metal ...	0	0	5								0	2	11
metal ...	0	3	0										
metal ...	0	3	4										
metal ...	0	1	9										
Carried forward	22	2	9	30	3	3	Total ...				55	2	3

No. 1,215.—KELLOE.

TOWNSHIP OF KELLOE, DURHAM.

Sheet 27 of Ordnance Map. Lat. 54° 43' 37", Long. 1° 27' 48".

Account of Strata sunk and bored through in Kelloe Freehold. 1838.

Approximate surface level 440 feet above sea (Ordnance datum).

	Ft.	Ft.	In.	Ft.	Ft.	In.		Ft.	Ft.	In.	Ft.	Ft.	In.
Sand and gravel ...	1	2	0				Brought forward	2	1	1	34	2	4
Strong gravelly clay, with tumbling stones and sand ...	13	2	0				Mild parting ...	0	0	4			
Blue stone, with post girdles ...	3	0	0				White post ...	1	3	9			
<i>Main Coal Seam—</i>							Parting ...	0	0	2			
							White post ...	0	5	2			
COAL , coarse,							Parting ...	0	0	2			
top ...	0	6					White post ...	0	3	6			
Band } <i>cast</i> {	0	0½					Blue stone ...	0	2	0			
COAL } <i>back</i> {	0	2½					Grey post ...	0	3	2			
Band }	0	0½					White post ...	0	5	3			
COAL , good	2	9½					Parting ...	0	0	2			
				0	3	6½	White post ...	1	3	0			
				18	1	6½	Parting ...	0	0	2			
Grey thill ...	0	5	0				White post ...	1	2	10			
Blue stone ...	1	0	0				Blue stone ...	0	2	0			
Black stone ...	0	0	7				Black stone, with coal pipes	0	2	2			
COAL ...	0	0	5				COAL ...	0	1	6			
				2	0	0					11	0	5
Grey thill ...	0	2	0				Clay ...	0	3	0			
Black stone ...	0	3	4				Grey post ...	0	3	8			
Grey post ...	0	3	8				Blue stone ...	1	2	0			
							COAL—Brass Thill	0	2	0			
COAL ...	1	5									2	4	8
Band ...	0	3					Clay ...	0	0	6			
COAL ...	0	5					Blue stone and post girdles ...	0	5	5½			
				0	2	1	Blue metal, with grey post girdle...	1	1	10			
Grey thill ...	0	3	0				COAL ...	0	0	6			
Grey metal ...	2	3	5½				Thill ...	0	0	10			
White post ...	6	3	3				Grey post ...	0	3	0			
COAL—Low Main	0	3	0				Blue metal ...	0	2	8			
				10	0	8½	White post, with part- ings	1	1	8			
Grey thill ...	0	3	0				COAL ...	0	1	1			
Grey metal post ...	1	3	0				Thill ...	0	1	0			
COAL (April 21st, 1838) ...	0	1	0				Blue metal, with post girdles and blue stone	1	0	11			
				2	1	0	White post ...	1	2				
Total sunk				34	2	4	Blue metal ...	0					
							Strong white post	7					
<i>Bored further in</i> <i>1839:—</i>							Strong white with partings off boring, Aug 8th, 1840)...						
Mild grey post ...	0	1	9										
Blue stone ...	0	2	0										
White post ...	1	3	4										
Carried forward	2	1	1	34	2	4	Total						

No. 1,216.—KELLOE.

TOWNSHIP OF KELLOE, DURHAM.

Sheet 27 of Ordnance Map. Lat. 54° 43' 36", Long. 1° 27' 49".

An Account of Strata sunk through at East Helton or Kellos Colliery North Pit.
1836.

Approximate surface level 425 feet above sea (Ordnance datum).

	Ft.	In.	Ft.	In.		Ft.	In.	Ft.	In.		
Soil and gravel ...	1	1	2		Brought forward	56	1	4			
Limestone and marl ...	1	0	0		<i>Five-Quarter Seam—</i>						
Limestone ...	24	0	0								
Grey metal stone ...	0	2	10		COAL ...	3	11				
Grey whin girdle ...	0	2	10		Splint ...	0	2				
Red metal stone ...	1	0	0		COAL ...	0	3				
Red whin girdle ...	0	0	6		Splint ...	0	2				
Red metal stone ...	1	5	6			0	4	6			
Red post stone ...	0	3	0					0	4	6	
Red whin ...	0	2	3		Black stone, with						
White post and water	0	0	9		partings ...	0	2	8			
Blue metal ...	1	4	6		COAL ...	0	0	8			
Black stone ...	0	4	0		Black stone ...	0	0	8			
COAL ...	0	0	2	33	Grey metal stone ...	3	0	11			
				3	COAL, coarse ...	0	2	8			
Thill ...	0	4	0						4	1	7
Blue metal stone ...	1	0	0		Grey post stone ...	1	5	4			
COAL ...	0	0	6	1	Dark blue stone ...	0	4	0			
				4	<i>Main Coal Seam—</i>						
Thill ...	0	4	0								
Grey metal stone (2					COAL, top	1	3				
feet into it is a					Stone band..	0	6				
wedging crib) ...	9	0	9		COAL ...	2	10				
White post, with metal								0	4	7	
partings and water	7	2	0						3	1	11
Grey metal stone ...	1	1	1		Thill ...	0	2	10			
Black stone ...	0	4	0		Grey post ...	0	2	0			
Black cam ...	0	0	3		Grey metal ...	1	5	2			
Grey metal, with post					Black stone and coal	0	1	9			
girdles ...	0	2	8						2	5	9
Black stone ...	0	2	4		Thill ...	0	0	6			
Thill stone ...	0	0	6		Grey metal, with {	3	1	5			
<i>Three-Quarter Seam—</i>					post girdles {	0	4	5			
COAL ...	0	10							2	2	6
Thill ...	1	4			Grey post ...	0	0	3			
COAL ...	1	0			Metal partings ...	0	0	3			
Thill ...	0	2			Whin stone ...	0	1	1			
COAL ...	0	3			Strong white post ...	1	1	6			
Thill ...	0	7			COAL — <i>Maudlin</i>						
COAL ...	1	0			Seam ...	0	1	2			
Thill ...	0	2							8	0	16
COAL ...	0	3			Thill ...	0	1	6			
Thill ...	0	2			White post ...	0	2	0			
COAL ...	0	2			Strong grey metal ...	1	5	8			
Thill ...	0	2			Black stone and coal	0	1	7			
			0	5	9					2	4
				20	5	4					
Carried forward	56	1	4		Strong grey metal ...	1	2	1			
					Blue metal ...	1	4	0			
					Post girdles ...	0	0	4			
					Grey metal ...	0	1	0			
					Carried forward	3	1	5	78	2	8

* Approximate sea level (Ordnance datum).

K K

No. 1,216.—KELLOE.—CONTINUED.

Brought forward					Ft. Ft. In.					Brought forward					Ft. Ft. In.				
White post	3	1	5	75	2	9	Hutton's Seam—	Ft.	In.	5	1								
Grey post and water	0	4	5				COAL	2	10										
White post girdles	0	1	0				Dark thill	0	3½										
Grey post	0	3	6				Splint	0	2										
White post and water	2	4	6				COAL	0	1										
Whin	0	1	2									0	3						
White post	2	2	10																
COAL—Low Main																			
Seam	0	2	4				Strong grey post			0	0								
				10	5	6	Grey metal stone			2	5								
Black stone	0	0	10				Grey post			0	3								
White thill stone	0	2	5				Dark metal			0	3								
Post	2	5	1				Strong metal stone			2	5								
Whin	0	0	8				Brown metal			0	0 1								
Grey shivery stone	0	3	8				COAL			0	0								
Grey metal	0	5	0																
Grey post	0	2	9				Metal stone and post												
Blue metal	0	4	2				girdles			2	0								
Black stone	2	0	11				Strong —, with sul-												
Grey metal	4	5	0				phur			1	5 1								
Post girdles	0	1	5				Grey metal stone			0	4								
Grey metal	0	2	11				COAL			0	0								
Post	0	2	3																
Grey metal	0	2	3				Dark grey metal			6	3								
Grey post	0	3	1				Grey post and part-												
Grey metal	0	0	7				ings			1	0								
Grey post	0	5	9				Grey metal			0	4								
Grey metal	0	2	0				White post			0	1								
Black stone	0	0	3				Dark metal, mixed												
COAL—Brass Thill							with coal			0	1								
Seam	0	2	2				Strong grey metal			0	3								
				16	5	4	Whin			0	0 1								
Brass	0	0	1				Grey metal stone			1	0								
Dark thill stone	0	0	4				Dark metal			0	0								
White post	1	2	6				COAL, a little tender												
Grey post	1	1	6				and makes a good												
Grey metal, with iron-							cinder — Harvey												
stone girdles	2	1	4				Seam			0	3								
Black stone	0	1	3																
Carried forward	5	1	0	106	1	6	Total												

No. 1,217.—KELLOE.

TOWNSHIP OF KELLOE, DURHAM.

Sheet 28 of Ordnance Map. Lat. 54° 44' 54", Long. 1° 25' 50".

Strata bored through in the low part of Kelloe Royalty. 11

Approximate surface level 460 feet above sea (Ordnance datum).

	Ft.	Ft.	In.	Ft.	Ft.	In.		Ft.	Ft.
Soil	0	1	0				Brought forward	1	3
Gravel and clay mixed	1	1	0				Clay and marl mixed	0	4
Good clay	0	1	8						
Carried forward	1	3	8				Carried forward	2	2

No. 1,217.—KELLOE.—CONTINUED.

	Fa.	Ft.	In.	Fa.	Ft.	In.		Fa.	Ft.	In.	Fa.	Ft.	In.
Brought forward	2	2	0				Brought forward	10	0	0	55	3	10
Marly limestone ...	24	1	0				Red metal ...	0	2	4			
Brown limestone ...	24	1	3				White post ...	0	2	1			
Blue limestone ...	0	2	0				Grey metal ...	0	0	4			
Dark metal ...	0	0	6				White post ...	0	1	8			
Blue limestone ...	2	0	11				Red post ...	2	0	10			
Dark metal ...	0	1	1				Whin ...	0	2	5			
Blue limestone ...	0	5	2				White post ...	1	0	5			
Dark metal ...	0	0	3				Grey metal, with post	6	2	11			
Blue limestone ...	1	1	8				girdles ...	4	3	2			
				55	3	10	Strong white post ...	0	1	7			
Dark metal ...	0	2	0				Dark grey metal ...	0	0	10			
Post girdle ...	0	0	5				Black stone ...	0	0	3			
Dark metal ...	0	1	5				Grey metal ...	0	1	9			
Post ...	0	2	9				<i>Three-Quarter Seam—</i>						
Grey metal, with gir-							Black stone,						
dles ...	0	2	8				mixed with	Ft.	In.				
Post ...	0	0	8				coal ...	0	9				
Grey metal ...	0	1	5				COAL ...	0	3				
Post ...	0	0	7				Soft band,						
Grey metal ...	0	3	1				mixed with						
Red metal ...	0	4	4				coal ...	0	4½				
Post ...	0	0	7				Stone band ...	0	4				
Grey metal ...	0	0	9				COAL ...	0	3				
Red post ...	0	2	6				Stone band ...	0	2½				
Grey metal ...	0	0	8				COAL ...	1	3½				
Dark post ...	0	2	6				Stone band ...	0	3½				
Grey metal ...	0	2	5				COAL ...	1	0½				
Red metal ...	0	3	5				Stone band ...	0	3				
Blue metal ...	0	3	4						0	5	0½		
Red post ...	2	1	7								27	1	7½
Whin ...	0	2	0				COAL—5,4 Seam ...	0	8	6½			
White post ...	1	1	9				Soft thill ...	0	0	9			
Brown metal ...	0	0	9								0	4	3½
White post ...	0	0	5										
Carried forward	10	0	0	55	3	10	Total ...				83	3	9

No. 1,218.—KELLOE.

TOWNSHIP OF KELLOE, DURHAM.

Sheet 27 of Ordnance Map. Lat. 54° 43' 36", Long. 1° 27' 48".

Account of Strata sunk through at Kelloe New Pit. Commenced to sink April 14th. 1856.

Approximate surface level 435 feet above sea (Ordnance datum).

	Fa.	Ft.	In.	Fa.	Ft.	In.		Fa.	Ft.	In.	Fa.	Ft.	In.
Soil ...	0	1	0				Brought forward	45	1	6½			
Clay and gravel ...	2	1	6				Blue limestone ...	0	2	8			
Marly limestone ...	19	0	3				Blue and yellow lime-						
Yellow honeycomb							stone ...	3	5	1			
limestone ...	23	4	9½				Yellow limestone ...	1	2	11			
Carried forward	45	1	6½				Carried forward	51	0	2½			

* Approximate sea level (Ordnance datum).

THE UNIVERSITY OF CHICAGO

Carroll Street		Total	
	25	26	27
Coal	100	100	100
Oil	100	100	100
Gas	100	100	100
Electric	100	100	100
Water	100	100	100
Food	100	100	100
Shelter	100	100	100
Transportation	100	100	100
Health	100	100	100
Education	100	100	100
Recreation	100	100	100
Religion	100	100	100
Other	100	100	100
Total	1000	1000	1000

No. 1219.—KESTON.

STEWART OF KINTON, NORTH HOLLAND.

Sheet 28 of *Cornelius Map*. Lat. $54^{\circ} 33' 34''$, Long. $1^{\circ} 40' 5''$.

Survey to Russell Main Coal, in Kanton Estate, in the Farm occupied by Wm. M. ...
in North Browning Chase, about 20 yards ... between the corner par ...
South Long Rigg and the said Dyke, and ... of the Boundary betw ...
Kanton and Kanton, South of Dyke. No ...
approximate surface level 304 feet (above datum).

	Fa	Pt	In	Fa	Pt	In
Clay	2	3	0			
White post, with white	0	2	6			
Carried forward	2					

No. 1,219.—KENTON.—CONTINUED.

	Fa.	Pt.	In.	Fa.	Pt.	In.		Fa.	Pt.	In.	Fa.	Pt.	In.	
Brought forward				2	5	10		Brought forward	19	2	2	2	5	10
one ...	0	3	2					COAL	0	0	6			
t ...	1	5	0								19	2	9	
se ...	2	4	0					Black stone	4	3	0			
t ...	2	0	0					Grey metal stone	4	2	0			
white post,								Strong brown post						
ater ...	2	3	0					with metal partings	0	4	0			
t ...	0	5	0					COAL	0	0	9			
white post,											3	3	9	
black metal								Grey metal stone	1	5	10			
gs ...	5	0	0					Benwell Main Coal						
t ...	0	1	4					Seam—						
ost. with coal								COAL	1	0				
and water ...	0	4	8					Black stone	0	9				
st ...	2	3	0					COAL	3	5				
white post,											5	1		
with whin ...	0	3	0					In soft black metal				2	5	
												1	1	
Brought forward	19	2	2	2	5	10		Total			25	1	1	

No. 1,220.—KENTON.

TOWNSHIP OF KENTON, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat.

Long.

at Kenton, from the Thill of the Five-Quarter or Young's Pit Shaft and from
in the Frances Pit Shaft, North of the Lane.

Approximate surface level feet above sea. Estimated thickness.

	Fa.	Pt.	In.	Fa.	Pt.	In.		Fa.	Pt.	In.	Fa.	Pt.	In.
the seam ...				32	4	0		Brought forward					
thill ...	0	4	0					Grey metal stone with					
white post ...	1	4	0					water washes	3	5	1		
grey metal								strong white post	1	1	1		
...	0	4	0					COAL	1	1	1		
white post ...	0	2	0								5	2	1
stal stone ...	2	3	0					Grey metal	1	1			
with water...	0	0	6					Grey post	1	1			
				5	5	6		strong white post			1		
one, with post								dark grey metal	1				
s ...	3	1	6					COAL	1	1	4		
mixture ...	0	1	3					Grey metal stone	2	5	5		
st ...	1	0	0					COAL stone	1	1	5		
stal stone ...	0	5	10								5	2	5
								Grey metal stone	1		6		
	0	6						Dark grey metal					
stal ...	0	2						water with coal	1		1		
	0	8						strong grey metal					
				0	1	4		stone	5	2			
								strong white post					
stal stone ...	1	0	0					with partings and					
white post ...	1	0	4					8 inches of coal					
	0	0	5					11 inches of coal	1	0	0		
				2	1	9							
				4	2	5							

No. 1,219.—KELLSE.—Continued.

Brought forward			Ft. Ft. In. Ft. Ft. In.				Carried forward			Ft. Ft. In. Ft. Ft. In.		
			25 4 2 55 3 6½							25 4 2 55 3 6½		
Blue and yellow lime-stone			3 6 31				Three-quarter Seam—					
Yellow shaly lime-stone			4 6 4				Ft. In.					
			55 3 4½				COAL			1 4		
Dark metal			0 3 50				Band			0 4½		
Strong white post			0 3 7				COAL			0 3		
Grey metal			0 1 6				Band			0 1		
Grey post			0 2 11				COAL			0 6		
Grey metal			0 1 4				Band			0 2		
Pink girdles			0 0 7				COAL			0 6		
Red metal, with white girdles			1 0 11				Band			0 4		
Strong orange post			1 2 0				COAL			0 7½		
Red chain post			2 5 7				Band			0 1½		
White post			0 2 0				COAL			0 2½		
Brown white			0 2 0				Band			0 3		
Hard post, with red scales			1 2 0				Five-quarter Seam—			Ft. In.		
Red metal			0 0 5				Splice			0 1½		
Red girdle			0 0 5				COAL, good			3 6		
Red metal			0 2 6							0 3 7½		
White post			0 2 9				Thill stone			1 3 8		
Grey metal			0 0 4				Blue metal			2 2 4		
Red post			2 4 5				Strong grey metal			4 2 0		
Brown white			0 2 6				Grey post			0 1 1		
White post			0 5 10				Thin slaty post, with black partings			0 1 10		
Blue metal			0 3 1				Strong grey post, with white			0 2 10		
Grey metal			0 5 0				Grey post, with black partings			1 2 8		
Dark metal			1 3 9½				White post			0 5 0		
Grey metal and post girdles			7 3 0				Grey post			2 1 7		
White post			0 1 4				COAL—Main Coal			0 3 3		
Black stone			0 0 10							14 2 3		
Blue metal			0 1 9				Thill stone and coal			2 1 2		
							Strong grey metal			1 2 0		
Carried forward			25 4 2 55 3 6½				Total			101 3 8½		

No. 1,219.—KENTON.

TOWNSHIP OF KENTON, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. 54° 59' 34", Long. 1° 40' 6".

Boring to Benwell Main Coal, in Kenton Estate, on the Farm occupied by Wm. Mason in North Broomy Close, about 28 yards West of Fence between the corner part of South Long Riggs and the said Field, and 76 yards North of the Boundary between Fenham and Kenton, South of Dyke. November 1789.

Approximate surface level 304 feet above sea (Ordnance datum).

			Ft. Ft. In. Ft. Ft. In.				Brought forward			Ft. Ft. In. Ft. Ft. In.		
			2 3 0							2 5 6		
Clay			0 2 6				COAL			0 0 4		
White post, with white										2 5 10		
Carried forward			2 5 6				Carried forward			2 5 10		

* Approximate sea level (Ordnance datum).

No. 1,219.—KENTON.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				2	5	10
Black stone ...	0	3	2			
Grey post ...	1	5	0			
Blue stone ...	2	4	0			
Grey post ...	2	0	0			
Strong white post, with water ...	2	3	0			
Grey post ...	0	5	0			
Strong white post, with black metal partings ...	5	0	0			
Grey post ...	0	1	4			
Brown post. with coal pipes and water ...	0	4	8			
White post ...	2	3	0			
Strong white post, mixed with whin ...	0	3	0			
Carried forward	19	2	2	2	5	10

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	19	2	2	2	5	10
COAL ...	0	0	6			
				19	2	8
Black stone ...	4	3	0			
Grey metal stone ...	4	2	0			
Strong brown post, with metal partings	0	4	0			
COAL ...	0	0	9			
				9	3	9
Grey metal stone ...	1	5	10			
Benwell Main Coal Seam—						
COAL ...	1	0				
Black stone..	0	9				
COAL ...	3	6				
				0	5	3
In soft black metal ...						
						2 5 1
						0 0 8
Total ...						35 0 0

No. 1,220.—KENTON.

TOWNSHIP OF KENTON, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. , Long.

Bored at Kenton, from the Thill of the Five-Quarter or Newbiggin Stone Coal Seam, in the Frances Pit Shaft, North of the Dyke.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Sunk to the seam ...				32	4	0		Brought forward			46	2	5	
Box and thill ...	0	4	0					Grey metal stone, with						
Strong white post ...	1	4	0					black seams ...	2	5	0			
Strong grey metal								Strong white post ...	1	3	0			
stone ...	0	4	0					COAL ...	0	1	0			
Strong white post ...	0	2	0								4	3	0	
Grey metal stone ...	2	3	0					Grey metal ...	0	1	0			
COAL , with water...	0	0	6					Grey post ...	0	1	6			
				5	5	6		Strong white post ...	1	0	0			
Grey stone, with post								Dark grey metal ...	0	1	11			
girdles ...	3	1	6					COAL ...	0	0	4			
Whin mixture ...	0	1	3					Grey metal stone ...	2	4	4			
Grey post ...	1	0	0					COAL , foul...	0	0	4			
Grey metal stone ...	0	5	10								4	3	5	
	Ft.	In.						Grey metal stone ...	0	1	3			
COAL ...	0	6						Black slaty metal,						
Grey metal ...	0	2						scared with <i>coal</i> ...	0	1	0			
COAL ...	0	8						Strong grey metal						
				0	1	4		stone ...	5	2	11			
								Strong white post,						
Grey metal stone ...	1	0	0					with partings and						
Strong white post ...	1	0	4					a mixture of whin						
COAL ...	0	0	8					in several places ...	12	3	0			
				2	1	0								
Carried forward				46	2	5		Carried forward	18	2	2	55	2	10

No. 1,220.—KENTON.—CONTINUED.

	Ft.	Ft.	In.	Ft.	Ft.	In.		Ft.	Ft.	In.	Ft.	Ft.	In.	
Brought forward	19	2	2	55	2	10		Brought forward	7	4	6	90	5	6
Grey metal	0	2	0					Grey metal, with a mixture of coal at bottom	0	1	6			
Grey metal stone, with girdles	2	0	0					Grey metal stone	0	2	2			
Strong white post, with whin girdles, scamy partings, and water	5	1	7					COAL, with water	0	0	10	8	3	0
<i>Beauwell Main Seam—</i>								Grey metal	0	0	6			
COAL	2	5						White post	0	1	6			
Black slaty metal, mixed with coal	0	3						Grey metal	0	2	6			
COAL, foul slaty	1	0						Whin	0	0	4			
			0	3	8			Strong white post, with metal partings	0	3	0			
					26	3	5	Whin	0	1	0			
Grey metal	1	3	0					Strong white post	0	2	0			
Strong white post	5	0	9					Grey metal stone, with hard girdles or lumps and a soft parting with water	1	3	6			
Black grey stone	2	0	0					COAL	0	0	8	3	3	0
								Grey metal stone	0	0	4			
COAL	0	9						Strong grey and white post	0	1	6			
Blue grey metal	0	5						Grey metal stone, with hard girdles	0	5	6			
COAL	0	4						Strong white post	0	5	0			
			0	1	6			Whin	0	4	2			
					8	5	3	Strong white post, mixed with whin	1	2	6			
Blue grey metal	0	3	6					Blue metal	0	3	0			
Strong white post	0	4	7					Mixture of whin girdles or lumps	0	0	4			
Grey metal stone, with girdles	0	4	8					Blue metal	0	0	10			
Strong white post	0	1	3					COAL — <i>Beauumont</i>						
Grey metal stone, with girdles	3	3	0					Seam	0	3	10	5	3	0
Grey metal, with scars of coal	0	2	0					Grey and blue scamy metal stone				0	1	6
Grey metal stone	1	3	6					Total				108	4	0
Carried forward	7	4	6	90	5	6								

No. 1,221.—KENTON.

TOWNSHIP OF KENTON, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. , Long.

Boring from Thill of Seven-Quarter or Kenton Main Coal, within Wagonway Drift, by Messrs. Bedlington and Partners, through that seam to East Kenton Colliery, about 140 yards West of Boundary between East and West Kenton. November, 1793.

Approximate surface level feet above sea (Ordnance datum).

	Ft.	Ft.	In.	Ft.	Ft.	In.		Ft.	Ft.	In.	Ft.	Ft.	In.
Grey metal stone	0	2	0				Brought forward	1	0	0			
Strong grey post	0	4	0				Grey post, mixed with girdles and water	1	3	0			
Carried forward	1	0	0				Carried forward	2	3	0			

No. 1,221.—KENTON.—CONTINUED.

	Fa.	Ft.	In.	Fa.	Ft.	In.		Fa.	Ft.	In.	Fa.	Ft.	In.
Brought forward	2	3	0				Brought forward	4	0	2	10	1	10
Grey metal stone ...	4	0	0				Strong white post,						
Grey metal stone, with							with water ...	0	5	0			
post girdles ...	3	3	0				Metal stone ...	0	1	6			
COAL , slaty ...	0	1	10				Strong white post ...	0	5	0			
				10	1	10	White post ...	0	1	6			
Dark grey metal ...	0	3	2				Metal stone ...	0	4	6			
White post ...	0	1	6				COAL , good ...	0	3	2			
Strong grey metal											7	2	10
stone, with a post							In grey metal stone,						
girdle ...	1	1	6				entering white post				0	2	4
Metal stone ...	2	0	0										
Carried forward	4	0	2	10	1	10	Total ...				18	1	0

No. 1,222.—KENTON.

TOWNSHIP OF KENTON, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. _____, Long. _____

Bored in East Kenton, from Thill of Seven-Quarter or Kenton Main Coal, in an old Shaft, in Town Street of East Kenton, to Five-Quarter Coal.
November 18th, 1796.

Approximate surface level feet above sea (Ordnance datum).

	Fa.	Ft.	In.	Fa.	Ft.	In.		Fa.	Ft.	In.	Fa.	Ft.	In.
Sunk to 7/4 Seam ...	46	3	0				Brought forward				60	3	2
Box ...	0	4	0				Grey metal stone ...	0	5	0			
Soft ramby metal ...	0	3	0				Whin ...	0	1	0			
Black stone, mixed							Grey post ...	0	1	4			
with coal ...	0	0	10				Whin ...	0	1	2			
Grey metal, with gir-							Grey metal and girdles	4	3	3			
dles ...	3	4	0				Black stone ...	0	0	9			
Whin ...	0	1	0				COAL —lower part of						
Grey metal and metal							5/4 Seam ...	0	0	4			
stone, with girdles											6	0	10
and water at 9 fa-							Blue metal ...	0	4	0			
thoms ...	8	4	2				Black metal ...	0	0	9			
COAL , hard, sup-							White post ...	0	1	2			
posed 5/4 Seam ...	0	1	2				Blue metal ...	0	1	8			
				60	3	2					1	1	7
Carried forward				60	3	2	Total ...				67	5	7

No. 1,223.—KENTON.

TOWNSHIP OF KENTON, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. 55° 0' 48", Long. 1° 40' 25".

Bored in West Kenton, in James King's Farm, in Weaver's Close, 3 yards South of the Fence between the Kenton and Burradon Estates, and 12 yards East of Fence between the said Close and the Newcastle Turnpike Road. May 28th, 1794.

Approximate surface level 244 feet above sea (Ordnance datum).

	Ft.	In.	Ft.	In.		Ft.	In.	Ft.	In.
Soil and gravelly clay, with tumblers ...	1	2	0		Brought forward			23	3
Soft grey metals ...	2	2	0		Black grey metal, scared with coal ...	0	2	0	
Black metal ...	0	1	0		COAL ...	0	0	6	
Grey metal stone ...	0	5	4					0	2
COAL, foul... ..	0	0	4		Grey metal ...	0	1	0	
Grey metal stone, with girdles ...	0	3	4		Grey scamy post, with partings and water	2	3	0	
Brown and grey scamy post, with partings and water ...	6	3	6		Strong grey metal stone, with post gir- dles and water ...	9	4	6	
Grey metal stone ...	0	1	6		Grey metal ...	0	0	2	
COAL ...	0	0	7		<i>Five-Quarter or New- biggin Stone Coal</i>				
Dark grey metal ...	0	0	9		Seam—	Ft.	In.		
Grey post ...	1	5	0		COAL ...	0	7		
Grey metal stone ...	4	1	6		Blue grey metal	0	6		
COAL ...	0	1	4		COAL ...	0	9		
			18	4	Black metal, scared with coal ...	0	9		
Grey scamy post, with girdles ...	0	3	0		COAL ...	2	2		
Grey metal stone, with girdles ...	3	1	10					0	4
COAL ...	4	11						13	1
Black grey metal ...	0	8			Grey metal ...	0	0	5	
COAL, foul, slaty ...	1	3			Strong grey metal, with scares of coal	0	0	10	
			1	0				0	1
			4	5					
Carried forward	23	3	10		Total ...			37	3

* Approximate sea level 19 feet below this.

No. 1,225.—KEPIER.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	6	1	8			
Thill stone ...	0	1	8			
Blue stone and post girdles ...	0	4	8			
Post stone ...	2	2	3			
Dark grey metal stone	2	3	3			
<i>Hutton Seam—</i>						
	Ft.	In.				
COAL, good	3	10				
COAL, bottom	0	10				
	—	0	4	8		
		—	13	0	2	
Carried forward			13	0	2	

	Fs.	Ft.	In.	Ft.	Ft.	In.
Brought forward				13	0	
Thill stone ...	0	1	0			
Post stone, much bro- ken, with trouble...	1	5	4			
Blue stone ...	1	4	0			
Grey metal ...	2	2	0			
		—		6	0	4
Total ...				19	0	6

No. 1,226.—KEPIER.

TOWNSHIP OF ST. GILES, DURHAM.

Sheet 20 of Ordnance Map. Lat. , Long.

Strata sunk through at the Kepier Colliery New Pit, about a mile and a quarter North of Durham.

Approximate surface level feet above sea (Ordnance datum).

	Ft.	Fr.	In.	Ft.	Fr.	In.		Ft.	Fr.	In.	Ft.	Fr.	In.
Earth and clay ...	0	4	0				Brought forward	5	4	0	26	2	10
Quicksand ...	1	2	0				COAL— <i>Brass Thill</i>						
Loamy blue clay ...	1	0	0				<i>Seam</i> ...	0	1	0			
Strong blue clay and											5	5	0
gravel beds ...	16	0	0				Blue stone ...	0	3	0			
Freestone ...	7	0	0				Whin, with a large						
COAL— <i>Low Main</i>							feeder of water ...	0	4	0			
<i>Seam</i> ...	0	2	10				Blue and grey metal	6	3	0			
				26	2	10	Post girdle ...	0	1	0			
Thill stone ...	0	4	0				Blue metal ...	0	0	10			
Grey metal ...	5	0	0				COAL— <i>Hutton Seam</i>	0	3	10			
											8	3	8
Carried forward	5	4	0	26	2	10	In grey metal girdles				5	0	0
							Total ...				45	5	6

No. 1,227.—KEPIER.

TOWNSHIP OF ST. GILES, DURHAM.

Sheet 27 of Ordnance Map. Lat. _____, Long. _____

*Account of Strata taken in Kepier Pit by R. Elliott. when taking the Brattice out.
April 1st, 1822.*

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward	6	2	0	12	1	10
Clay mixture ...	5	1	2				Blue stone ...	0	1	3			
Gulley freestone ...	3	2	8				Ironstone ...	0	0	10			
Blue stone ...	2	3	0				Blue stone ...	3	0	2			
COAL ...	1	0	0				Coarse ironstone ...	0	1	0			
				12	1	10	Blue stone ...	15	0	6			
Thill ...	0	3	6				COAL ...	0	0	8			
Blue stone ...	0	4	6								25	0	5
Coarse ironstone ...	0	1	0				Thill ...	0	3	0			
Blue stone ...	4	2	0				Blue stone, top of						
White post ...	0	3	0				water ...	0	4	0			
											1	1	0
Carried forward	6	2	0	12	1	10	Total ...				38	3	3

No. 1,228.—KEPIER.

TOWNSHIP OF ST. GILES, DURHAM.

Sheet 20 of Ordnance Map. Lat. 54° 47' 33", Long. 1° 32' 33".

*An Account of the Boring in Kepier Royalty, near the river side, in the wood near
the Old Engine Pit. by George Stott. 1852.*

Approximate surface level 204 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Rubbish ...	3	4	0				Brought forward	8	5	9	7	5	6
Grey post ...	1	2	0				<i>Hutton Seam</i> —						
Grey metal girdles ...	2	4	6				COAL ...	4	0				
COAL — <i>Brass Thill</i>							Grey metal ...	0	2				
<i>Seam</i> ...	0	1	0				COAL , coarse	1	0				
				7	5	6				0	5	2	
Grey metal ...	0	4	0								9	4	11
Grey post ...	1	2	0				Grey metal ...	2	4	0			
COAL ...	0	0	6				COAL ...	0	0	6			
Grey metal post girdles	2	0	0				Grey metal stone ...	3	4	0			
Grey post ...	2	4	0				White post ...	3	1	0			
Grey metal ...	0	1	0				Grey metal ...	0	1	0			
Grey post ...	0	2	0										
Grey metal girdles ...	1	4	3				Carried forward	9	4	6	17	4	
Carried forward	8	5	9	7	5	6							

No. 1,228.—KEPIER.—CONTINUED.

	Ft.	Ft.	In.	Ft.	Ft.	In.
Brought forward	9	4	6	17	4	5
COAL ...	0	0	6			
Strong grey post ...	3	2	6			
Grey metal girdles } 6 1 11 *	0	3	1			
COAL—Harvey Seam	0	1	8			
				20	2	2
Grey metal ...	9	1	6			
White post ...	0	0	6			
Whin ...	0	1	0			
Grey metal, with post girdles ...	1	3	0			
White post ...	5	1	0			
COAL ...	0	1	0			
				16	2	0
Grey metal ...	1	0	0			
Grey post ...	1	4	6			
White post, mixed with whin...	14	4	9			
Carried forward	17	3	3	54	2	7

	Ft.	Ft.	In.	Ft.	Ft.	In.
Brought forward	17	3	3	54	3	7
Grey metal ...	1	2	6			
COAL ...	0	1	8			
				19	1	5
Grey metal ...	0	3	0			
Grey post ...	0	3	0			
Grey metal ...	2	1	0			
Grey post ...	0	3	4			
Dark metal ...	0	2	6			
Busty Seam—						
COAL ...	0	8				
Metal, with coal	2	8				
COAL ...	2	1				
				0	5	5
Dark metal ...	0	1	3			
Left off in strong post	0	1	6			
				5	3	0
Total ...				79	1	0

* Approximate sea level (Ordnance datum).

No. 1,229.—KEPIER.

TOWNSHIP OF ST. GILES, DURHAM.

Sheet 20 of Ordnance Map. Lat. , Long.

Strata sunk through in No 2 Shaft, Florence Pit, Kepier Colliery. 1874.

Approximate surface level feet above sea (Ordnance datum).

			Fs.	Ft.	In.	Fs.	Ft.	In.				Fs.	Ft.	In.	Fs.	Ft.	In.
Soil	...	...	0	2	0				Brought forward	13	2	0					
Gravel	...	...	0	1	3				<i>Hutton Seam—</i>								
Sand	...	...	0	0	5												
Clay	...	...	10	0	0				COAL	...	4	0					
Post	...	...	2	0	4				Seggar	...	0	6					
Blue metal	...	...	0	4	0				COAL, bot-	...	1	0					
									tom	...			0	5	6		
															14	1	6
Carried forward			13	2	0				Carried forward						14	1	6

No. 1,229.—KEPIER.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward				14	1	6
Grey metal ...	0	5	0			
Post girdle ...	0	1	0			
Grey metal ...	0	5	0			
Mild post, with metal partings ...	2	0	1			
White post ...	0	2	5			
Dark leafy post ...	0	3	2			
Soft grey metal ...	2	0	4			
Post, with metal partings ...	0	4	0			
Soft blue metal ...	0	4	7			
Black stone ...	0	1	4			
Strong white post, with water ...	1	3	5			
Light grey metal ...	0	1	11			
COAL ...	0	0	9½			
				10	3	0½
Seggar ...	0	0	11			
Mild grey post, with metal partings ...	2	1	6			
Strong white post ...	0	4	7			
Strong grey metal, with post girdles ...	0	3	7			
Light grey metal ...	0	5	6			
Black stone ...	0	1	5½			
Light grey metal ...	0	5	0			
Black stone ...	1	3	0			
COAL ...	0	0	10½			
				7	2	5
Seggar ...	0	4	0			
Light grey metal ...	0	1	3			
COAL ...	0	0	4½			
				0	5	7½
Black metal ...	0	0	7			
Strong grey post ...	0	2	5			
Strong grey metal ...	1	1	2			
Black shale ...	0	0	4½			
COAL— <i>Harvey Seam</i> ...	0	1	11			
				2	0	5½
Seggar ...	0	2	11			
Light grey metal ...	1	0	11			
Black stone ...	0	0	7			
Carried forward	1	4	5	35	1	0½

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	1	4	5	35	1	0½
Seggar ...	0	2	0			
Strong white post, with metal partings ...	0	4	0			
COAL ...	0	0	1½			
				2	4	6½
Mild grey post ...	1	3	9			
Black stone ...	0	0	4			
Strong grey metal ...	3	0	0			
Soft grey metal ...	1	0	0			
Post, with metal partings ...	1	3	0			
Very strong white post ...	2	5	0			
Strong white post, mixed with whin ...	2	2	0			
Strong white post ...	1	4	6			
Strong white post, mixed with whin ...	4	0	6			
Post, with ironstone balls ...	0	2	0			
Strong white post ...	1	4	6			
Grey metal ...	0	0	6½			
<i>Busty Seam</i> —						
COAL ...	0	0½				
Grey metal ..	0	10½				
Black stone, with thin pieces of coal ...	0	8½				
Grey metal ..	0	3				
COAL ...	1	8				
				0	3	6½
				20	5	8½
Seggar, with ironstone balls ...	0	2	3			
Grey metal, with ironstone balls...	0	3	9			
				1	0	0
Total ...				59	5	3½

No. 1,230.—KEPIER.

TOWNSHIP OF ST. GILES, DURHAM.

Sheet 20 of Ordnance Map. Lat. 54° 47' 26", Long, 1° 31' 59".

An Account of Strata sunk through in the Kepier Grange North Pit. January 19th, 1845.

Approximate surface level 250 feet above sea (Ordnance datum).

	Ft.	Ft.	In.	Ft.	Ft.	In.
Soil ...	0	0	9			
Brown clay ...	0	2	0			
Strong stony clay ...	1	4	0			
Freestone ...	0	2	0			
Freestone, jointy, with a little water ...	1	2	11			
Soft grey metal stone	4	1	6			
Grey metal stone, with white post girdles...	4	0	8			
Black slaty stone ...	0	0	4			
Soft dark blue stone...	4	1	0			
Soft light blue stone	4	5	0			
Jointy grey metal stone ...	3	0	0			
Jointy strong grey post	3	2	0			
Ironstone girdle ...	0	0	3			
Strong post stone ...	2	4	0			
Dark grey metal ...	0	0	9			
Strong post stone, jointy ...	4	0	7			
Strong white post stone ...	0	3	0			
<i>Low Main Seam—</i>						
	Ft. In.					
COAL, rather splinty ...	0	3				
COAL, good	2	0				
COAL, bot- tom, rather coarse ...	0	7				
	—	0	2	10		
				35	3	7
Soft thill stone ...	0	0	8			
Strong thill stone ...	0	3	4			
Dark grey metal ...	1	0	4			
Dark blue stone ...	0	2	10			
Carried forward	2	1	2	35	3	7
Brought forward	2	1	2	35	3	7
Jointy strong white post ...	3	4	6			
Soft blue stone	0	0	9			
	0	1	11			
COAL—Brass Thill						
Seam ...	0	1	6			
				6	3	10
Thilly grey metal stone	0	2	9			
COAL ...	0	0	8			
Thill stone ...	0	1	9			
COAL ...	0	0	4			
				0	5	6
Thill stone ...	0	3	6			
Dark grey metal, mixed with whin ...	3	4	9			
White post girdle ...	0	1	10			
Dark grey metal ...	0	1	9			
Post girdle ...	0	0	6			
Grey metal ...	0	2	9			
Post girdle ...	0	0	6			
Grey metal ...	0	1	0			
Post girdle ...	0	0	9			
Grey metal ...	0	1	11			
Post girdle ...	0	1	3			
Grey metal ...	0	1	6			
<i>Hutton Seam—</i>						
	Ft. In.					
COAL ...	3	10				
COAL, bot- tom ...	0	5				
	0	4	3			
				7	2	3
Sump sunk further ...				4	4	0
Total ...						

* Approximate sea level (Ordnance datum).

No. 1,231.—KIBBLESWORTH.

TOWNSHIP OF KIBBLESWORTH, DURHAM.

Sheet 6 of Ordnance Map. Lat. $54^{\circ} 54' 11''$, Long. $1^{\circ} 36' 42''$.

Boring in a Field, 40 yards West of Occupation Road, leading to the South from the Village of Kibblesworth, and 15 yards North of Railway. November 14th, 1842.

Approximate surface level 100 feet above sea (Ordnance datum).

	Ft.	In.	Ft.	In.		Ft.	In.	Ft.	In.
Soil ...	0	1	3		Brought forward			28	0
Strong blue clay ...	3	3	0		Dark grey metal ...	1	0	3	10
Sand, with water ...	2	3	0		COAL—Low Main				
Strong clay ...	2	3	2		Seam ...	0	3	9	
Grey metal stone ...	1	3	9					1	4
COAL ...	0	1	0						
			10	3	2	Black stone, mixed			
Grey metal, with grey					with <i>foul coal</i> ...	0	1	0	
post girdles ...	1	4	2		Grey metal stone, with				
Brown post, with soft					ironstone girdles ...	1	4	8	
scaly partings ...	3	0	0		COAL , foul ...	0	1	0	
COAL , foul ...	0	0	10					2	0
			4	5	0	Grey metal ...	0	4	6
Blue metal ...	0	4	5		Grey and white post,				
Grey and white post, {	0	3	5		with water ...	1	1	0	
with shivery partings {	3	1	7	*	Grey metal stone, with				
Dark grey metal stone,					post girdles ...	2	5	1	
with a little water	0	4	0						
Grey post, with a little					<i>Hutton Seam—</i>				
water ...	1	1	3		COAL ...	2	10		
Black stone ...	0	0	4		COAL , brassy ...	0	3		
COAL , coarse ...	0	0	6		COAL ...	1	0		
			6	3	6	COAL , hard ...	0	2	
Grey metal stone ...	0	3	0		COAL ...	0	4		
White post, with scaly								0	4
partings and a little								5	3
water ...	4	3	4						2
Grey metal ...	0	2	11		Grey metal ...			0	0
<i>Maudlin Seam—</i>									4
COAL ...	0	9							
COAL , foul,									
mixed with									
dark metal	0	1½							
COAL , strong	1	6½							
COAL , soft									
danty ...	0	4							
COAL , coarse	1	2							
			0	3	11				
			6	1	2				
Carried forward			28	0	10	Total ...			37
								3	0

* Approximate sea level (Ordnance datum).

No. 1,232.—KIBBLESWORTH.

TOWNSHIP OF KIBBLESWORTH, DURHAM.

Sheet 6 of Ordnance Map. Lat. 54° 54' 2", Long. 1° 37' 25".

Account of Strata sunk through at Robert Pit, Kibblesworth Colliery.

Approximate surface level 150 feet above sea (Ordnance datum).

	Ft.	Ft.	In.	Ft.	Ft.	In.		Ft.	Ft.	In.	Ft.	Ft.	In.
Clay	2	4	8				Brought forward	27	4	7	21	5	7
Grey metal	0	5	0				Blue metal	1	1	0			
COAL	0	1	6				COAL— <i>Maudlin</i>						
Fire clay	0	2	2				Seam	0	3	1			
Grey metal	2	2	6								29	2	8
Grey post	3	4	6				Grey metal	0	3	6			
COAL—5.4 Seam ...	0	3	1				Low Main Seam—						
				10	5	5							
Grey post	0	4	9				COAL	0	10				
Grey metal	1	5	0				Band	0	2				
Grey post	0	4	0				COAL	3	9				
Grey metal, with thin							Band	0	4				
post girdles	6	5	7				COAL	0	9				
COAL—Main Coal										0	5	10	
Seam	0	4	10										1 3 4
				11	0	2							
Grey metal	0	2	4				Black stone	0	1	0			
White post	1	2	6				Grey metal	0	3	3			
Grey metal	0	1	0				White post	0	3	10			
Grey post	1	0	7				Grey metal post, with						
	0	3	11				whin girdles	2	5	7			
Grey metal, with post							White post	0	1	8			
girdles	3	4	2				Grey metal, with thin						
COAL	0	0	9				post girdles	0	5	0			
Grey metal	1	2	8				Hutton Seam—						
White post	1	1	6										
COAL	0	0	9				COAL	4	3				
Grey metal, with post							COAL, foul	0	8				
girdles	2	5	1							0	4	11	
White post, with water	3	4	6										6 1 3
Grey metal	0	0	7										
White post, with water	5	2	4				Fire clay	0	2	0			
Grey metal	0	0	8				Grey post	1	2	0			
White post, with							White post	0	1	6			
scars, grey metal,													1 5 6
and water	3	4	0										
Grey metal, with post													
girdles	1	1	0										
White post	0	2	3										
Carried forward	27	4	7	21	5	7	Total				61	0	4

* Approximate sea level (Ordnance datum).

No. 1,233.—KILLINGWORTH.

TOWNSHIP OF KILLINGWORTH, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. , Long. *Colour of the Stone and Metal in Killingworth Ground, at the West end of the town. 1694.*

Approximate surface level feet above sea (Ordnance datum).

	Fa.	Ft.	In.	Fa.	Ft.	In.		Fa.	Ft.	In.	Fa.	Ft.	In.
First bored white free-							Brought forward	9	4	3	13	2	10
stone post ...	4	0	0				Whin ...	0	2	6			
COAL ...	0	1	3				Soft blue stone ...	3	5	0			
				4	1	3	Strong white post ...	0	3	0			
Black thill ...	0	2	0				Black metal, mixed						
Grey metal ...	0	5	0				with coal ...	0	3	0			
COAL, foul, mixed							Grey metal ...	0	3	0			
with metal ...	0	1	0				Stiff grey stone ...	1	5	0			
Grey thill ...	0	2	0				COAL, mixed with						
Blue metal stone ...	2	0	0				metal ...	0	2	0			
COAL ...	0	0	1				Blue metal stone ...	1	0	0			
Grey metal stone ...	1	0	0				COAL ...	0	1	0			
White post ...	4	3	0								18	4	9
COAL ...	0	0	6				Grey thill ...	0	2	0			
				9	1	7	Grey post ...	0	3	0			
Grey thill ...	0	2	0				Stiff blue metal stone	1	3	0			
Blue metal stone ...	0	5	0				COAL ...	0	1	3			
White post ...	2	0	0								2	3	8
Whin ...	0	1	3				Black thill ...	0	1	0			
Grey stone ...	2	0	0				Blue metal stone ...	0	4	0			
Blue metal ...	3	0	0								0	5	0
White post ...	1	2	0										
Carried forward	9	4	3	13	2	10	Total ...				85	3	10

No. 1,234.—KILLINGWORTH.

TOWNSHIP OF KILLINGWORTH, NORTHUMBERLAND.

Sheet of Ordnance Map. Lat. , Long. *Bored in the Millstone Burn, on Killingworth Moor. 1695.*

Approximate surface level feet above sea (Ordnance datum).

	Fa.	Ft.	In.	Fa.	Ft.	In.		Fa.	Ft.	In.	Fa.	Ft.	In.
First bored in free-							Brought forward				5	1	8
stone ...	5	0	0				White thill ...	0	1	0			
Blue metal ...	0	1	0				Grey post ...	1	2	7			
COAL ...	0	0	8										
				5	1	8							
Carried forward				5	1	8	Carried forward	1	3	7	5	1	8

M M

No. 1,234.—KILLINGWORTH.—CONTINUED.

	Fa	Ft	In	Fa	Ft	In		Fa	Ft	In
Brought forward	1	3	7	5	1	5	Brought forward	13	2	0
Blue stone, with post							Green metal stone	0	5	0
girdles	4	4	0				Grey post	3	3	0
COAL	0	1	0				White post	0	5	0
				6	2	7	Very strong whin	0	3	0
White post	2	3	0				Strong white post,			
Grey post	3	5	0				with water	7	2	0
Blue stone	0	5	0				COAL	0	1	3
Grey post	0	5	0				Grey thill	0	3	0
White post, with water	4	3	0							
Blue metal stone	0	5	0							
Carried forward	13	2	0	11	4	3	Total			

No. 1,235.—KILLINGWORTH.

TOWNSHIP OF KILLINGWORTH, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. , Long.

Bored on Killingworth Moor, near North Gosforth Moor Gate, or Ryof's to the South-east of the House. 1746.

Approximate surface level feet above sea (Ordnance datum).

	Fa	Ft	In	Fa	Ft	In		Fa	Ft	In
First from the top to the scaffold	1	0	4				Brought forward	4	4	11
Boxes sunk in water	15	3	0				COAL, soft foul	0	1	0
Gravelly clay, mixed with sand	1	2	8				Black and grey metal, scared with coal	0	1	2
Sand and gravel, or channel, with water that rose to the top	0	3	6				COAL	0	1	6
Stony clay and gravel	0	3	0				COAL, mixed with grey metal	0	0	4
Grey and brown metal, with catheads	0	3	0				Grey metal, with post girdles	3	0	0
COAL, soft foul	0	1	4				Strong white post, mixed with whin	0	3	0
				19	4	10	Whin	0	2	2
Soft grey and brown sandy metal	1	1	6				White post, with water	1	0	0
Brown post, with water	0	3	0				Blue and grey metal	0	1	6
COAL	0	0	9				Blue and grey metal, with girdles	1	0	0
				1	5	3	COAL, foul, with water	0	0	9
Soft grey metal	1	3	6				Black metal, with some small scares of coal	0	1	0
Whin, with water	0	3	0				Grey metal	0	1	0
Grey metal stone	1	0	0				White metal	1	3	0
White and grey post, with water	0	4	5							
Soft grey metal	1	0	0							
Carried forward	4	4	11	21	4	1	Carried forward	1	4	0

No. 1,235.—KILLINGWORTH.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	1	4	0	33	3	5	Brought forward	2	3	0	39	5	5
Blue and black metal	0	3	0				Grey and white post						
Blue and black metal,							girdles, with metal						
scared with coal	0	1	6				partings and water	2	0	0			
Grey metal	1	3	0				Grey metal, with post						
Soft white and blue							girdles and water...	3	0	0			
metal, mixed with							Grey metal, with some						
green	2	0	0				small girdles or cat-						
Black metal	0	0	6				heads	6	0	0			
COAL	0	1	9				Black stone	0	1	0			
Black metal, with some							Strong grey post	0	1	0			
small scares of coal	0	0	3				Black metal, scared						
				6	2	0	with coal	0	1	0			
Grey metal, mixed with							Grey metal	0	2	0			
green, with girdles											14	2	0
or catheads	2	3	0										
Carried forward	2	3	0	39	5	5	Total				54	1	5

No. 1,236.—KILLINGWORTH.

TOWNSHIP OF KILLINGWORTH, NORTHUMBERLAND.

Sheet of Ordnance Map. Lat. , Long.

Bored on Killingworth Moor, to the Eastward from the Herd's House about 330 yards,
on a Hill called the Short Hadery Knowe. April 29th, 1747.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
First of soil and brown							Brought forward	3	4	0	10	5	0
clay	0	5	0				Whin, with water	0	1	9			
Sand, with a sipping of							Grey post	0	1	0			
water	0	4	0				Soft blue and grey						
Stony clay	1	0	0				metal	4	0	0			
Sand, with a sipping of							Soft black metal	0	0	3			
water	0	1	6				COAL	0	1	0			
Soft leafy clay	1	3	6								8	2	0
Stony clay	5	0	0										
				9	2	0	Soft white metal	1	0	0			
Soft grey and blue							Grey metal	1	2	0			
metal	1	1	0				Soft grey metal	0	3	0			
							Soft grey metal, scared						
COAL, soft...	0	4					with coal	0	1	6			
Grey metal	0	1									3	0	6
COAL, soft...	1	7											
				0	2	0	COAL, soft brassy	0	1	5			
				1	3	0	Black metal, scared						
Soft grey metal	1	3	0				with coal	0	1	0			
Grey metal, with gir-							Whitish grey metal...	0	1	2			
dles and catheads													
with water	2	1	0										
Carried forward	3	4	0	10	5	0	Carried forward	0	3	7	22	1	6

	Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and stony clay, with water at the bottom	3	2	0			
Carried forward	3	2	0			

	Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	3	2	0			
Soft grey and blue metal, with girdles and catheads ...	5	1	0			
Carried forward	8	3	0			

No. 1,237.—KILLINGWORTH.—CONTINUED.

roximate sea level (Ordnance datum).

No. 1,237.—KILLINGWORTH.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	15	4	4	59	3	11	Brought forward	29	4	7	59	3	11
Strong grey metal ...	0	2	0				<i>High Main Seam—</i>						
Strong white post ...	0	1	0				Black metal,						
Grey metal ...	0	0	9				mixed with	Ft.	In.				
Strong white post ...	0	3	4				coal ...	0	3				
Strong white post,							COAL ...	5	8				
mixed with whin ...	2	0	0				COAL , with						
Black and blue metal	2	3	0				small scares,						
Black stone, mixed							band, or brass						
with coal ...	0	0	9				lump ...	0	11				
Black and grey metal	0	0	5				Black grey						
White post ...	0	3	0				metal ...	0	2				
Strong post, mixed							COAL , hard						
with whin ...	6	0	0				brassy ...	1	0				
Strong white and grey							Hard brassy						
post, with a mixture							girdle or lump,						
of whin girdles and							with coal ...	0	4				
coal <i>pipy</i> partings	1	4	0						1	2	4		
											31	0	11
Carried forward	29	4	7	59	3	11	In grey metal ...				0	1	6
							Total ...				91	0	4

No. 1,238.—KILLINGWORTH.

TOWNSHIP OF LONG BENTON, NORTHUMBERLAND.

Sheet 89 of Ordnance Map. Lat. 55° 1' 12", Long. 1° 31' 38".

Bored on Killingworth Moor, 240 yards South-west from Scaffold Hill, known by the name of Scaffold Hill Hole. 1760.

Approximate surface level 250 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay ...	1	3	0				Brought forward				16	2	7
Sand channel ...	0	2	0				Grey metal and metal						
Stony clay ...	2	3	0				stone, with girdles	5	1	2			
Blue grey metal ...	0	3	0				Black and grey metal,						
Strong red and brown-							with a small mix-						
ish metal ...	0	2	6				ture of coal ...	0	1	6			
Grey post, with red							COAL , with water...	0	0	9			
and brown scamy											5	3	5
partings and water	3	0	0				Grey metal stone gir-						
White and brown post,							dles and water ...	5	0	0			
with brown cashy							Blue and black metal,						
partings and water							with lumps ...	1	0	0			
that rose to the sur-							Grey metal stone, with						
face ...	7	5	6				post girdles ...	3	4	0			
Coal <i>pipy</i> post ...	0	0	6				White post, mixed						
Grey post ...	0	0	9				with whin ...	0	2	0			
COAL ...	0	0	4				Open post, with water	1	2	0			
				16	2	7							
Carried forward				16	2	7	Carried forward	11	2	0	22	0	0

No. 1,238.—KILLINGWORTH.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.	
Brought forward	11	2	0	22	0	0		Brought forward	18	2	10	53	5	8
Black metal, with water ...	0	0	6					COAL ...	0	0	3			
Greenish grey metal stone, with post girdles ...	5	3	0					COAL, foul...	0	0	2	18	3	3
White post, with water ...	0	5	9					Grey metal ...	0	3	0			
Whin ...	0	3	6					Grey metal stone ...	0	1	0			
Strong white post, mixed with whin ...	0	1	6					Grey and white post, with a mixture of whin girdles and water in some places	4	5	0			
Whin ...	0	1	6					Black grey scamy metal ...	0	0	4			
Grey post, with black scames near the bot- tom ...	0	4	3	1	0	3	*	Strong white post ...	3	0	0			
COAL ...	0	0	10					A black grey scamy parting ...	0	0	4			
Grey metal ...	1	1	9					White post ...	0	2	0			
COAL ...	0	0	8	22	1	6		Grey scamy stone, with post girdles and black scames ...	0	5	0			
Grey metal ...	1	1	9					Black grey metal, scared with coal ...	0	1	2			
COAL, foul ...	0	0	3					Blue grey metal ...	0	3	0			
COAL ...	0	0	5	1	2	5		A whin mixture ...	0	0	9	10	3	7
Grey metal stone ...	0	5	0					Blue grey metal, scared with coal at the bottom ...	0	3	0			
White post, with water	0	3	0					Grey metal stone ...	0	0	9			
Grey metal stone, with girdles or lumps ...	3	4	0					High Main Seam—						
White post, with girdles and water ...	1	0	0					COAL ...	Ft. In.					
Whin ...	0	0	10					COAL, with scares of brass and a small danty scame at the bottom ...	4	9				
White and grey post	1	0	0					COAL ...	0	8				
Black grey metal ...	0	4	0					COAL ...	1	0				
Three-Quarter Seam—								Grey metal ...	0	3				
COAL ...	0	7						COAL, mixed with grey metal ...	0	2				
White and black metal ...	1	7						COAL, with a brassy lump or band at the bottom	1	2				
COAL ...	0	9							1	2	0			
	0	2	11	8	1	9		In blue metal, with small scares of coal (June 14th, 1760; rods measured to 85½ fathoms) ...				1	5	9
Soft white and grey post ...	0	1	6									0	1	4
Grey metal and grey stone, with post girdles ...	2	5	0											
A black metal parting	0	0	4											
Grey metal, with girdles or lumps ...	3	1	0											
White and grey post, with water ...	5	1	0											
Grey metal stone girdles or lumps ...	1	3	0											
Blue and black metal	1	0	0											
White post ...	1	5	0											
Blue metal ...	2	4	0											
Carried forward	18	2	10	53	5	8		Total ...				85	1	7

* Approximate sea level (Ordnance datum).

No. 1,240.—KILLINGWORTH.

TOWNSHIP OF KILLINGWORTH, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. 55° 1' 47", Long. 1° 34' 3".

Bored in the North-east corner of Mr. Pugh's Ground, to the South-west of Killingworth Hill Head. March 3rd, 1800.

Approximate surface level 200 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil ...	0	1	0				Brought forward	5	2	10	23	1	10
Stony clay ...	1	0	6				Whin ...	0	0	9			
				1	1	6	Strong white post, with						
Brown post, with							partings and water	2	0	0			
scamy partings and							Blue metal ...	0	3	7			
water ...	3	1	6				COAL ...	0	2	1			
Blue grey metal ...	0	2	0								8	3	3
White post ...	0	1	0				White metal ...	0	1	0			
Grey metal stone ...	1	0	6				Grey metal, with gir-	1	1	11			
Black grey metal ...	0	2	6				dies ...	0	0	1			
Strong white post ...	0	1	0				Strong white post,						
Grey metal stone, with							mixed with whin ...	0	1	0			
post girdles ...	1	1	6				Whin ...	0	3	0			
Grey scamy post, with							Strong white post,						
water ...	2	0	0				mixed with whin ...	0	2	0			
Strong white post ...	0	1	6				White post ...	0	4	6			
Grey scamy post ...	0	2	0				Grey and blue metal,						
Blue grey metal ...	2	5	8				with girdles ...	3	1	6			
COAL , foul danty ...	0	0	4				Black slaty metal ...	0	1	3			
				12	1	6	Grey and blue metal	0	1	4			
Grey metal ...	1	1	6				Black metal, mixed						
COAL , foul... ..	0	0	4				with coal or foul coal	0	0	7			
Grey metal ...	0	2	6								7	0	2
White and grey post,							Grey metal, with gir-						
with water† ...	1	4	8				dies ...	2	3	0			
Soft blue grey metal	0	2	9				White post ...	3	0	9			
COAL , mixed with							Grey metal ...	0	2	0			
black metal ...	0	0	9				Black metal ...	0	0	7			
				4	0	6	Strong white post ...	0	3	6			
Grey metal and post							Grey metal and metal						
girdles ...	2	4	0				stone ...	2	4	6			
White post ...	0	4	6				Blue and black metal,						
Grey and blue metal,							with a mixture of						
with girdles ...	2	0	0				coal at the bottom	0	3	0			
COAL ...	0	1	5				Grey metal stone ...	0	1	0			
Hard lump or girdle...	0	0	2				White post ...	0	2	0			
Black slate, mixed							Grey metal stone, with						
with coal ...	0	0	3				girdles ...	0	4	6			
				5	4	4	Blue and black metal	2	3	0			
Grey metal ...	1	0	6				COAL ...	0	0	4			
Blue and black metal	0	1	4								13	4	2
Grey and blue metal...	1	0	0				Grey metal, with gir-						
Grey girdly stone, with							dies ...	2	1	6			
metal partings and							Grey scamy post, with						
water ...	2	4	0				partings ...	0	3	0			
White post, with water	0	3	0										
Carried forward	5	2	10	23	1	10	Carried forward	2	4	6	52	3	5

† This post at the surface in Seghill Towngate.

* Approximate sea level (Ordnance datum).

NN

No. 1,240.—KILLINGWORTH.—CONTINUED.

Brought forward						Brought forward					
Fa. Ft. In. Fa. Ft. In.						Fa. Ft. In. Fa. Ft. In.					
2 4 6 52 3 5						5 4 10 52 3 5					
Blue metal, with girdles and water ...						<i>High Main Seam—</i>					
2 5 5						Ft. In.					
Blue metal ...						COAL, hard					
0 0 2						coarse ...					
COAL ...						2 0					
0 0 5						COAL ...					
Hard dark grey danty slate or band, with a mixture of coal ...						3 0					
0 0 4						COAL, slaty					
						0 9					
						COAL, foul					
						slaty, with small bands of metal...					
						1 0					
						— 1 0 9					
						6 5 7					
						Black grey metal ...					
						0 0 9					
Carried forward						Total ...					
5 4 10 52 3 5						59 3 9					

NOTE.—The *Upper Main Coal Seam* is found to be about 44 fathoms 2 feet in depth at Seghill Hall in the Towngate and 5 feet in thickness.

No. 1,241.—KILLINGWORTH.

TOWNSHIP OF KILLINGWORTH, NORTHUMBERLAND.

Sheet 88 of Ordnance Map. Lat. 55° 1' 42", Long. 1° 34' 24".

Strata sunk through at the Engine or A Pit, Killingworth Colliery.

Approximate surface level 200 feet above sea (Ordnance datum).

Fa. Ft. In. Fa. Ft. In.						Fa. Ft. In. Fa. Ft. In.					
Soil and clay... ...						Brought forward					
8 0 0						0 2 11 19 5 10					
COAL ...						Blue metal ...					
0 1 3						1 5 0					
8 1 3						Whin girdle ...					
Grey metal ...						0 2 6					
0 4 0						Blue metal and whin girdle ...					
Grey post girdle ...						0 5 0					
0 0 8						COAL ...					
Grey metal ...						0 0 4					
4 0 0						3 3 9					
Grey post, mixed with whin ...						Grey metal ...					
0 3 0						1 1 8					
Post ...						Grey post ...					
2 1 0						0 2 4					
Black metal ...						Blue metal ...					
0 1 6						0 2 3					
Ft. In.						COAL ...					
0 9						0 0 4					
Black metal ...						2 0 7					
0 8						Grey and blue metal, with girdles ...					
COAL ...						1 4 0					
1 8						Blue metal ...					
0 3 1						0 4 8					
8 1 3						COAL ...					
Grey metal ...						0 1 10					
1 0 0						2 4 6					
Strong blue stone ...						Grey thill ...					
2 1 0						0 1 6					
COAL ...						Strong grey post ...					
0 2 4						1 2 0					
3 3 4						Grey metal ...					
Grey metal ...						0 4 6					
0 2 5						COAL, slaty, mixed with black metal ...					
COAL ...						0 2 6					
0 0 6						Carried forward					
Carried forward						2 4 6 28 2 8					
0 2 11 19 5 10											

Brought forward		Pa.	Pt.	In.	Pt.	In.
Thall	...	0	1	4		
Blue stone	...	1	1	0		
Post girdles	...	2	0	0		
Post	...	2	4	3		
Black stone	...	0	1	4		
Post	...	0	2	0		
Black stone	...	1	4	8		
Post	...	1	3	0		
						9 5
Sunk						174 0
<i>Boring made from the Stone Drift level, close to the bottom of A Pit, March 1966—</i>						
White and grey post...	...	5	4	0		
Whin	...	0	5	7		
Post	...	1	2	6		
Whin	...	0	2	0		
Post	...	1	2	1		
Grey metal	...	0	4	9		
Post	...	0	3	0		
Whin	...	1	0	1		
Post	...	0	2	9		
Whin	...	0	1	0		
Post	...	0	1	1		
Grey metal	...	0	4	4		
Post	...	9	5	0		
Grey metal	...	0	1	2		
Post	...	0	2	4		
Grey metal	...	0	4	10		
Post	...	0	1	4		
Grey metal	...	0	3	10		
Post	...	0	4	7		
Whin	...	0	1	9		
Post	...	1	5	0		
Whin	...	0	1	0		
Post	...	2	3	4		
Whin	...	0	1	2		
Post	...	1	1	6		
Whin	...	0	2	6		
Post	...	0	1	9		
Grey metal	...	2	2	0		
<i>Harvey Seam—</i>						
COAL, good,	...					
makes a good	...					
cinder (got	...					
July 14th, 1966)	...	3	2			
COAL, coarse	...	0	5			
						0 3 7
Grey metal, with a hard ironstone girdle 2 ft. 2 in. from the top						

No. 1,242.—KIP HILL.

TOWNSHIP OF TANFIELD, DURHAM.

Sheet 12 of Ordnance Map. Lat. , Long.

Bored at Kip Hill, in Mr. Davison's Ground. June 21st, 1727.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and brown girdle							Brought forward	5	1	6	9	1	10
stone ...	0	5	0				Blue metal, etc. ...	0	0	9			
Strong stone, with							COAL , foul— <i>Brass</i>						
whin ...	0	2	4				<i>Thill Seam</i> ...	0	3	9			
Grey post, etc. ...	3	0	0								6	0	0
White post, etc., with							Metal, mixed with coal	4	0	0			
water near the bot-							Metal and stone, and						
tom ...	3	5	0				water ...	1	3	0			
COAL , with water...	1	1	6				Metal ...	0	3	0			
				9	1	10	Metal, with coal ...	0	5	3			
Grey metal ...	2	0	0				Metal ...	0	0	5			
Whin mixture (the							Metal ...	0	1	0			
water went away)...	0	1	6				Metal, with water ...	0	2	0			
Whin ...	2	0	0				COAL — <i>Hutton Seam</i>	3	0	0			
White post ...	1	0	0								10	2	8
							Grey metal ...				4	0	0
Carried forward	5	1	6	9	1	10	Total ...				29	4	6

No. 1,243.—KIRKHEATON.

TOWNSHIP OF KIRKHEATON, NORTHUMBERLAND.

Sheet 78 of Ordnance Map. Lat. 55° 5' 49", Long. 1° 56' 15".

First place bored at Kirkheaton Estate, about 50 yards to the West of Bog Hall.
1763.

Approximate surface level 595 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and yellow clay...	0	5	0				Brought forward	5	4	2	4	2	0
Gravel and sand, with													
water ...	0	3	6				COAL , foul... Ft. In.						
Blue stony clay ...	2	5	0				COAL , foul,	0	3				
Grey metal, with scares							scared with						
of coal ...	0	0	6				grey metal...	0	11				
				4	2	0	Black grey						
Grey metal stone ...	0	5	6				metal, mixed						
Brown and grey scamy							with coal ...	0	5				
post ...	3	5	0				COAL , with						
Grey post, with metal							scares ...	0	3				
partings ...	0	4	0				Black grey						
Blue grey metal ...	0	1	8				metal, scared						
							with coal ...	0	2				
							COAL ...	2	0				
										0	4	0	
											6	2	2
Carried forward	5	4	2	4	2	0	Carried forward				10	4	2

No. 1,243.—KIRKHEATON.—CONTINUED.

	Ft.	Ft.	In.	Ft.	Ft.	In.		Ft.	Ft.	In.	Ft.	Ft.	In.
Brought forward				11	4	2	Brought forward	1	0	2	10	4	2
Soft grey sandy stone	1	1	2				Grey post	0	2	0			
Grey post, with water	1	2	4				Whin	0	0	7			
Strong white post							In grey post girdles,						
stone with whin							with metal partings	0	3	8			
and water	1	1	1								2	0	5
Whin in strong lime-													
stone	1	1	1										
Brought forward	1	1	2	21	4	2	Total				12	4	7

* Approximate sea level 515½ feet below this.

No. 1,244.—KIRKHEATON.

TOWNSHIP OF KIRKHEATON, NORTHUMBERLAND.

Sheet 75 of Ordnance Map. Lat. , Long.

Second place, near *High Windmill*, at *Kirkheaton Estate*.

Approximate surface level feet above sea (Ordnance datum).

	Ft.	Ft.	In.	Ft.	Ft.	In.
Soil and clay	0	4	6			
Sand and gravel, with water	0	3	6			
In strong stony clay, with whin tumblers	4	5	0			
				6	1	0
Total				6	1	0

No. 1,245.—KIRKHEATON.

TOWNSHIP OF KIRKHEATON, NORTHUMBERLAND.

Sheet 75 of Ordnance Map. Lat. , Long.

Third place, about 30 yards from the second.

Approximate surface level feet above sea (Ordnance datum).

	Ft.	Ft.	In.	Ft.	Ft.	In.
Soil and clay	0	3	0			
In strong stony clay, with whin tumblers	6	1				
Total						

No. 1,246.—KIRKHEATON.

TOWNSHIP OF KIRKHEATON, NORTHUMBERLAND.

Sheet 78 of Ordnance Map. Lat. , Long. .*Fourth place, about yards South from the third.*

Approximate surface level feet above sea (Ordnance datum).

					Ft.	In.	Ft.	In.
Soil and brown stony clay ...	...	...	...	...	1	0	0	
In blue stony clay ...	...	...	...	...	12	0	0	
							13	0 0
Total ...	...	...	...	...			13	0 0

No. 1,247.—KIRKHEATON.

TOWNSHIP OF KIRKHEATON, NORTHUMBERLAND.

Sheet 78 of Ordnance Map. Lat. 55° 6' 8", Long. 1° 56' 42".*Fifth place, at Blythside, about 100 yards East from the Ford.*

Approximate surface level 560 feet above sea (Ordnance datum).

	Ft.	In.	Ft.	In.		Ft.	In.	Ft.	In.
Soil and gravelly clay	0	4	3		Brought forward	4	2	0	5 1 10
Sand and gravel, with water ...	0	0	9		Grey metal stone ...	0	5	0	
Stony clay ...	3	2	3		White and grey post, with strong girdles, scamy partings, and water ...	3	1	0	
Brown post stone ...	0	1	4		Black grey metal stone ...	1	5	8	
Stony clay ...	0	4	0		In strong white and grey post ...	0	2	6	
Whin tumbler ...	0	1	0					10	4 2
Stony clay ...	0	0	3						
			5	1 10					
Grey metal stone ...	0	4	0						
Brown and grey post, with metal partings and water ...	3	4	0						
Carried forward	4	2	0	5 1 10	Total ...			16	0 0

* Approximate sea level 464 feet below this.

No. 1,248.—KIRKHEATON.

TOWNSHIP OF KIRKHEATON, NORTHUMBERLAND.

Sheet 75 of Ordnance Map. Lat. $55^{\circ} 5' 55''$, Long. $1^{\circ} 58' 2''$.*Sixth place, about 350 yards to the North-east from Bog Hall.*

Approximate surface level 560 feet above sea (Ordnance datum).

	Ft.	Ft.	In.	Ft.	Ft.	In.
Soil	0	1	0			
Stony clay	1	0	9			
Sand and gravel, with water	0	2	0			
In strong stony clay, with whin tumbleders	10	2	3			
				12	0	0
Total				12	0	0

* Approximate sea level 508 feet below this.

No. 1,249.—KIRKHEATON.

TOWNSHIP OF KIRKHEATON, NORTHUMBERLAND.

Sheet 78 of Ordnance Map. Lat. , Long.

Account of the Strata sunk through at Kirkheaton Colliery, Northumberland.

Approximate surface level 60 feet above sea (Ordnance datum).

	Ft.	Ft.	In.	Ft.	Ft.	In.
Outset	0	5	0			
Soil and clay	1	1	0			
Blue metal	1	0	1			
Limestone, with part- ings and water	3	4	0			
Dark metal stone	1	1	0			
COAL, splint at top	0	1	0			
				8	0	1
Dark thill stone	0	5	0			
Carried forward	0	5	0	8	0	1
Brought forward	0	5	0	8	0	1
Very strong white post, with pebbles	4	3	7			
Stone and coal	0	1	4			
COAL, kiln... ..	0	10				
COAL, fine... ..	1	8				
				0	2	6
				6	0	5
Total				14	0	6

No. 1,250.—KIRKWHELPINGTON.

TOWNSHIP OF KIRKWHELPINGTON, NORTHUMBERLAND.

Sheet 78 of Ordnance Map. Lat. 55° 9' 9", Long. 2° 0' 26".

*sd at Kirkwhelpington Lead Mine, from the bottom of the present Pit.
May 19th, 1829.*

Approximate surface level 560 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
gravel ...	2	1	0				Brought forward	3	1	9	19	3	0
st ...	2	1	0				Black post, with water	0	4	2			
l water ...	4	3	0				Grey post ...	0	2	6			
ul, with water	7	0	6				White post ...	2	0	8			
estone, with							Dark grey post, with						
... ..	2	0	0				water at bottom ...	1	0	6			
whin, with							White post ...	0	4	11			
... ..	0	2	0				Grey post ...	1	0	8			
in ...	0	1	0				Blue metal ...	0	3	1			
st ...	0	2	0				White post ...	0	2	0			
... ..	0	4	6				Blue metal ...	0	1	0			
of shaft to							Grey post ...	1	0	2			
e Drift ...				19	3	0	Whin ...	0	2	4			
al ...	0	2	0				Grey post ...	0	0	6			
grey metal,							Blue metal ...	0	0	7			
post girdles							Grey post ...	0	1	0			
ittle water...	1	2	6				In blue metal, with						
al, with post							grey post girdles						
and water...	1	0	4½				and water ...	2	0	0	14	1	10
... ..	0	0	7										
... ..	0	2	8½										
ied forward	3	1	9	19	3	0	Total ...				*33	4	10

* Approximate sea level 357 feet below this.

No. 1,251.—KNITSLEY.

TOWNSHIP OF CONSIDER AND KNITSLEY, DURHAM.

Sheet 18 of Ordnance Map. Lat. , Long.

Boring on the South Side of Knitsley Bottoms. 1828.

Approximate surface level feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
al, with water							Brought forward	3	3	2			
st girdles ...	1	2	4				Strong white post,						
al stone ...	1	1	5				with coal pipes and						
rt, with whin							water ...	1	0	11			
... ..	0	5	5				Grey metal stone ...	0	5	4			
ied forward	3	3	2				Carried forward	5	3	5			

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No. 1,251.—KNITSLEY.—CONTINUED.

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Brought forward	5	3	5				Brought forward	4	1	4	13	3	10
Strong grey post, with partings and water	1	4	9				Soft blue metal	0	3	3			
Dark blue metal stone	2	3	2				Grey metal, with post girdles	1	0	10			
Grey metal stone, with post girdles	0	3	3				Mild white post, a whin girdle 2½ inches in entering and water	0	5	9			
Fire clay	0	3	6				Dark grey post girdles, with soft partings and water	0	4	3			
Light blue metal	0	1	8				Blue metal stone, with dark grey post scars	1	5	4			
COAL	0	0	7				Dark grey whin, with water	0	0	8			
				11	2	4	White post girdles, with soft partings and catheads	2	1	5			
Grey whin	0	2	3				Fine blue metal stone	0	2	0			
Grey metal stone, with white post girdles	0	3	10				Strong white whin, with water	0	0	10½			
Blue grey metal stone	1	1	0								12	1	8½
Black stone, with coal	0	0	5										
				2	1	6							
Grey metal stone, with white post girdles	0	3	3										
Mild white post	0	3	0										
Fine grey metal stone	0	1	0										
Mild white post	0	3	0										
Grey post, with whin and partings	2	0	7										
Grey post girdles, with water and soft partings	0	2	6										
Carried forward	4	1	4	13	3	10	Total				25	5	6½

No. 1,252.—KNITSLEY.

TOWNSHIP OF CONSIDE AND KNITSLEY, DURHAM.

Sheet 18 of Ordnance Map. Lat. 54° 49' 29", Long. 1° 50' 20".

Account of the Boring at Knitsley High House, at the front of the Garden. By Thomas Maddison. May 13th, 1829.

Approximate surface level 768 feet above sea (Ordnance datum).

	Fs.	Ft.	In.	Fs.	Ft.	In.		Fs.	Ft.	In.	Fs.	Ft.	In.
Soil and clay	0	3	6				Brought forward				5	4	9
Dark blue grey metal stone, with water	3	5	0				Blue thill	0	0	8			
Black coal and stone	0	2	5				COAL	0	4½				
Grey thill	0	5	0				Black and blue thill	0	7				
Grey metal stone	0	0	5				COAL	0	5				
COAL	0	0	5								0	1	4½
				5	4	9					0	2	0½
Carried forward				5	4	9	Carried forward				6	0	9½

No. 1252.—KNITSLEY.—CONTINUED.

	Ft.	Ft.	In.	Ft.	Ft.	In.		Ft.	Ft.	In.	Ft.	Ft.	In.
Brought forward				6	0	9½	Brought forward	5	1	1	6	0	9½
Grey thill ...	0	1	7				Blue grey metal stone,						
Grey metal stone ...	1	1	4				rough grate ...	0	0	6			
Blue grey metal stone	0	3	7				White and yellow post,						
Black and blue metal,							very fine ...	4	0	0			
with coal ...	0	0	4								9	1	7
White and yellow													
post, with dark													
scars ...	3	0	3										
Carried forward	5	1	1	6	0	9½	Total ...				*15	2	4½

* Approximate sea level 675½ feet below this.

No. 1,253.—KNITSLEY.

TOWNSHIP OF CONSIDE AND KNITSLEY, DURHAM.

Sheet 18 of Ordnance Map. Lat. 54° 49' 31", Long. 1° 50' 16".

Third hole bored on the East Side of the High House Farm at Knitsley.
June 30th, 1829.

Approximate surface level 754 feet above sea (Ordnance datum).

	Ft.	Ft.	In.	Ft.	Ft.	In.		Ft.	Ft.	In.	Ft.	Ft.	In.
Brown slaty freestone	0	3	4				Brought forward				4	4	4
Dark grey slaty free-							Grey metal stone, with						
stone, with water...	1	4	4				hard girdles ...	1	0	0			
Blue grey metal stone	0	3	2				Blue grey metal ...	1	3	0			
Black stone, with hard							Dark grey post gir-						
girdles ...	0	1	6				dles, with water ...	1	5	6			
COAL ...	0	0	2				Ash coloured free-						
				3	0	6	stone, with metal						
Grey thill ...	0	2	6				partings ...	2	0	2			
Grey metal stone ...	0	3	4				Scamy white post,						
Light blue metal stone	0	3	6				mixed with whin ...	0	4	10			
COAL ...	0	0	6				Dark grey post girdle	0	0	8			
				1	3	10	Dull white coloured						
							freestone ...	2	5	8			
											10	1	10
Carried forward				4	4	4	Total ...				*15	0	2

* Approximate sea level 664 feet below this.

No. 1,254.—KYO.

TOWNSHIP OF KYO, DURHAM.

Sheet 12 of Ordnance Map. Lat. _____, Long. _____

An Account of the Strata bored through in Kyo Heugh, Lancaester Common, from the Shield Row Seam, in Francis Robinson's Landsale Pit; bored at the expense of Geo. Silvertop, Esq.

Approximate surface level feet above sea (Ordnance datum).

		Ft.	Ft.	In.	Ft.	Ft.	In.			Ft.	Ft.	In.	Ft.	Ft.	In.
COAL, foul...	1	0						Brought forward		7	2	5	6	0	11
Thill ...	0	6						Soft grey metal ...		1	1	3			
COAL, coarse,								COAL—Hard Coal							
and slate ...	2	0						Seam ...		0	4	5			
			0	3	6								9	2	1
						0	3	6	Soft thill ...		0	2	6		
Thill and blue stone...	2	0	0					COAL ...		0	0	1			
Whin ...			0	0	10			Brassy thill (close) ...		0	4	6			
Grey stone ...			0	3	0			COAL, foul...		0	0	5			
Green post ...			0	1	4								1	1	6
Grey post ...			2	0	6			Thill ...		0	2	6			
COAL, foul...			0	0	3			Grey thill ...		0	3	1			
Thill ...			0	3	4			Green post ...		0	4	6			
COAL, slaty ...			0	0	2			Blue metal stone ...		0	1	8			
						5	3	5	Green post ...		1	0	0		
Brassy thill stone ...			0	1	8			Whin ...		0	0	10			
Green post ...			3	3	0			Grey stone ...		1	1	6			
Grey stone and strong								Blue stone ...		0	1	0			
green girdles ...			2	4	6			COAL—Brass Thill							
Soft thill stone ...			0	5	3			Seam ...		0	4	9			
													5	1	10
Carried forward			7	2	5	6	0	11	Total ...				23	0	4

NOTE.—The fine coal at top only wrought in Shield Row Seam; no ground coal taken up.

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